PatBase - Search results 24 July 2019
Search query (3): FT=(FIXATION~ AND PAN~ HANDLE~)
Results: 107

Search history

Search 1: FT=(FIXATION~ AND PAN~ HANDLE~ AND KITCHEN~ ACCESSORY~) (Results 1)

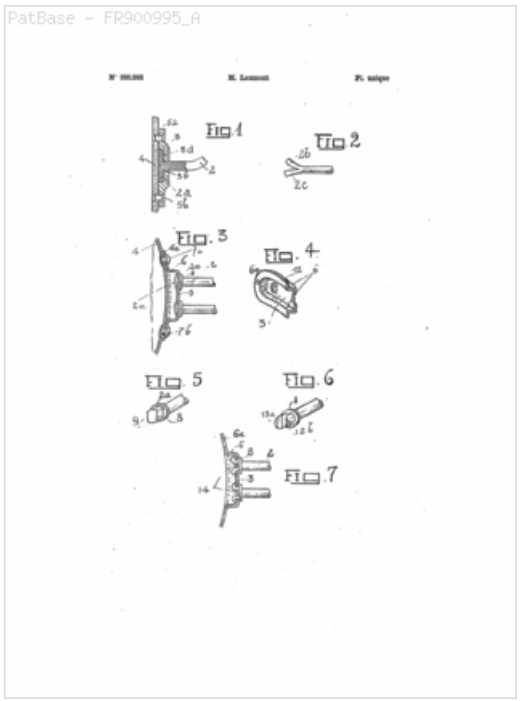
Search 2: FT=(FIXATION~ AND PAN~ HANDLE~ AND KITCHEN~) (Results 19)

Search 3: FT=(FIXATION~ AND PAN~ HANDLE~) (Results 107)

3) Family number: 19379025 (FR900995A)

Title: DISPOSITIF DE **FIXATION** DES POIGNEES DE CASSEROLES OU USTENSILES DIVERS FIXING DEVICE PANS **HANDLES** OR OTHER ITEMS (Machine translation)

Classifications:
International (IPC 8-9): A47J45/06 (Advanced/Invention); A47J45/00 (Core/Invention)
International (IPC 1-7): A47J45/08
CPC: A47J45/062
European: A47J45/06B



Family:

Publication number	Publication date	Application number	Application date
FR900995 A	19450713		19440106

Priority:
19430126

Inventor(s): (std): LAUMONT GUSTAVE

Legal status (INPADOC)

View legal status timeline

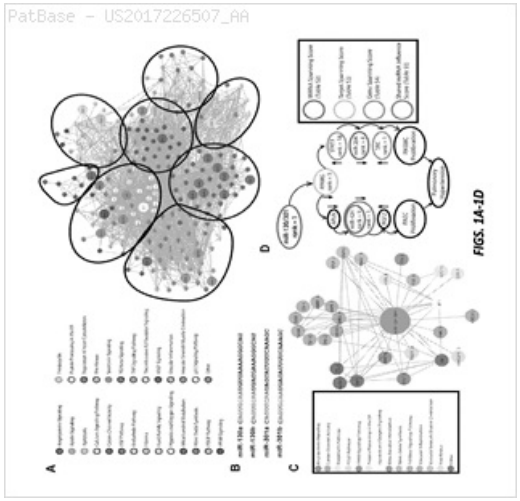
Patent	Date recorded	Event group	Code	Event	Details
FR900995 A	19450713	LSGT	+	granted / extensions (spc, cpc, pte)	
FR900995 A	19640106	PEXP		Calculated Patent Term Expiry	

4) Family number: 60748031 (US2017226507A)

Title: COORDINATE CONTROL OF PATHOGENIC SIGNALING BY THE MIR-130/301 FAMILY IN PULMONARY HYPERTENSION AND FIBROPROLIFERATIVE DISEASES

Abstract: The present invention relates to methods, kits and compositions to treat hypertension in a subject comprising inhibiting activity or expression of at least one microRNA.

Classifications:
International (IPC 8-9): C07H21/04 C12N15/11 C12N15/113 (Advanced/Invention)
CPC: C07H21/02 C12N2310/315 C12N2310/322 C12N2310/321 C12N2310/3231 C12N15/113 C07H21/04 C12N2310/113 C12N2310/141



Family:

Publication number	Publication date	Application number	Application date
US2017226507 AA	20170810	US20150308777	20150505
WO15171641 A1	20151112	WO2015US29286	20150505

Priority:
US20140988550P 20140505 US20150308777 20150505 WO2015US29286 20150505

Probable Assignee: BRIGHAM AND WOMEN S HOSPITAL INC
Assignee(s): (std): BRIGHAM AND WOMEN S HOSPITAL INC ; BRIGHAM AND WOMENS HOSPITAL
Inventor(s): (std): CHAN STEPHEN Y ; BERTERO THOMAS
Agent(s): RESNICK DAVID S ET AL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
US2017226507 AA	20170810	LSPB	+	published / reissued	
US2017226507 AA	20170504	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE BRIGHAM AND WOMEN'S HOSPITAL, INC., MASSACHUSE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHAN, STEPHEN Y.; BERTERO, THOMAS; SIGNING DATES FROM 20140512 TO 20150513; REEL/FRAME:042238/0403
US2017226507 AA	20171108	LSES	NFA1	Non Final Action Mailed	
US2017226507 AA	20171109	LSES	NFA1	Non Final Action Mailed	
US2017226507 AA	20171109	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017226507 AA	20181124	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

WO15171641 A1	20151112	LSPB	+	published / reissued	
WO15171641 A1	20161107	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15171641 A1	20170531	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15789030 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

5) Family number: 71613031 (WO18195338A1) © PatBase

Title: COMPOSITIONS AND METHODS FOR TREATING LUNG INFLAMMATION

Abstract: Provided are therapies, including combination therapies, for the treatment of lung inflammation, including interstitial lung diseases (ILDs), which include the use of at least one histidyl-tRNA synthetase (HRS) polypeptide or an expressible polynucleotide that encodes the HRS polypeptide, alone or in combination with at least one immunomodulatory agent.

Classifications:
International (IPC 8-9): A61K38/53 C07K19/00 C12N9/00 (Advanced/Invention)
CPC: C12N9/93 A61K38/53 C07K2319/30 C12Y601/01021 A61K38/00

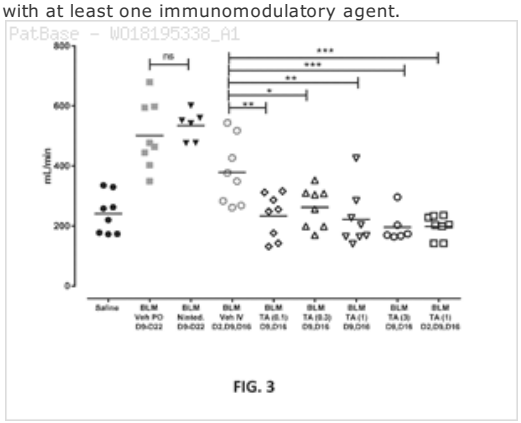


FIG. 3

Family:

Publication number	Publication date	Application number	Application date
WO18195338 A1	20181025	WO2018US28417	20180419

Priority:

US20170487812P 20170420

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): ATYR PHARMA INC

Inventor(s): (std): MENDLEIN JOHN D ; OGILVIE KATHLEEN

Agent(s): ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
WO18195338 A1	20181025	LSPB	+	published / reissued	

6) Family number: 49918047 (US2013195832A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF PHENYLALANYL-ALPHA-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:

International (IPC 8-9): A61K38/16 A61K38/53 A61K39/395 A61K47/48 A61P25/00 A61P29/00 A61P3/00 A61P3/04 A61P3/10 A61P35/00 A61P37/02 A61P37/06 A61P37/08 A61P9/00 A61P9/10 C07H21/00 C07K14/525 C07K14/705 C07K16/40 C07K19/00 C08G69/28 C12M1/00 C12M3/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/113 C12N15/115 C12N15/54 C12N5/071 C12N5/074 C12N5/10 C12N9/00 C12N9/96 C12P C12P13/02 C12P21/02 C12P7/24 C12P7/44 C12Q1/02 C12Q1/25 C12Q1/68 G01N27/62 G01N33/483 G01N33/53 G01N33/573 G01N33/68 G01N37/00 (Advanced/Invention)

CPC: C07K16/40 C12N5/0602 C12N9/96 G01N33/68 C12N9/93 A61K38/53 C12Y601/0102 G01N33/573 C12Y601/01 G01N2333/9015 C07K2317/34 C07K2317/92 A61K39/3955 C07K2317/76 C07K2319/00 C07K2319/01 C07K2319/02 C12N15/11 C12N2310/14 C12P21/02

European: A61K38/53 C12N9/93

US: 424/94.5 435/183 435/188 435/325 435/375 435/7.21 435/7.4 514/18.2 514/19.3 514/21.2 514/21.3 514/6.9 530/324 530/350 530/387.9 536/23.2 536/23.5

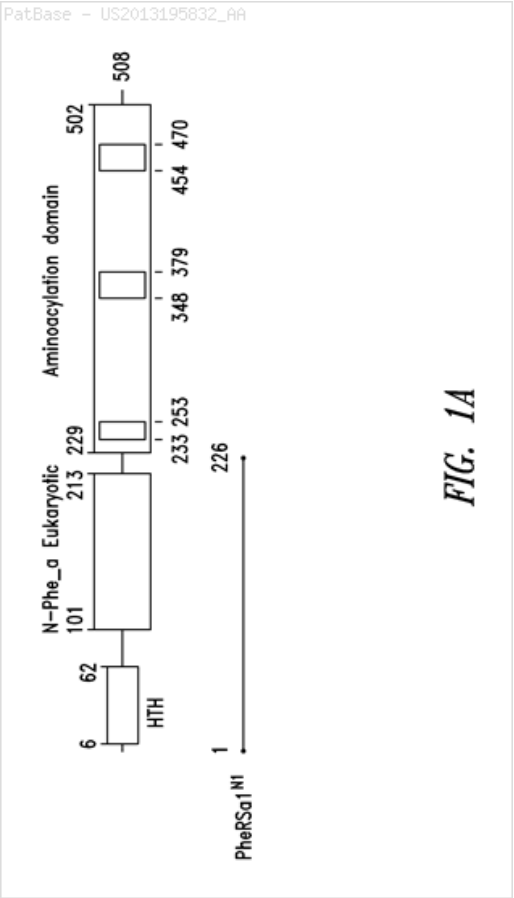


FIG. 1A

Family:

Publication number	Publication date	Application number	Application date
AU2011248227 AA	20111110	AU20110248227	20110503
AU2011248227 BB	20161201	AU20110248227	20110503
CA2797977 AA	20121030	CA20112797977	20110503
CN103096912 A	20130508	CN201180031304	20110503
CN105820252 A	20160803	CN201610177621	20110503
DE602011035467 D1	20170413	DE201160035467T	20110503
EP2566495 A2	20130313	EP20110778205	20110503
EP2566495 A4	20140514	EP20110778205	20110503
EP2566495 B1	20170301	EP20110778205	20110503
ES2623805 T3	20170712	ES20110778205T	20110503
IN10281DN2012 A	20160325	IN2012DN10281	20121126
JP2013533733 T2	20130829	JP20130509189T	20110503
JP2015211694 A2	20151126	JP20150157009	20150807
JP6008840 B2	20161019	JP20130509189T	20110503
US2013195832 AA	20130801	US20110696046	20110503
US2015361410 AA	20151217	US20150687760	20150415
US2017247678 AA	20170831	US20170408780	20170118
US9034321 BB	20150519	US20110696046	20110503
US9593323 BB	20170314	US20150687760	20150415
US10179906 BB	20190115	US20170408780	20170118
WO11140132 A2	20111110	WO2011US35053	20110503
WO11140132 A3	20120329	WO2011US35053	20110503
WO11140132 A9	20120531	WO2011US35053	20110503

Priority:

US201003308 29P 20100503
US201003308 28P 20100503
CN201180031304 20110503
EP20110778205 20110503
JP20130509189T 20110503
WO2011US35053 20110503
US20110696046 20110503
US20110035053 20110503
US20130696046 20130409
US20150687760 20150415
JP20150157009 20150807
US20170408780 20170118

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; WATKINS JEFFRY D ; LO WING SZE ; HONG FEI ; GREENE LESLIE ANN ; QUINN CHERYL L ; VASSEROT ALAIN PHILIPPE ; A TYR PHARMA INC ; ATYR PHARMA INC ; CHIANG KYLE P

Assignee(s): PANGU BIOPHARMA LIMITED ; ATYR PHARMA INC SAN DIEGO

Inventor(s): (std): CHIANG KYLE P ; MENDLEIN JOHN D ; VASSEROT ALAIN P ; WATKINS JEFFRY D ; QUINN CHERYL L ; HONG FEI ; GREENE LESLIE ANN ; LO WING SZE ; VASSEROT ALAIN PHILIPPE ; VASSEROT ALIAN P ; JEFFRY D WATKINS ; CHERYL L QUINN ; JOHN D MENDLEIN ; ALAIN P VASSEROT ; KYLE P CHIANG ; LESLLE ANN GREENE ; QUINN CHERYL ; GREENE LESLIE ; CHIANG KYLE ; VASSEROT ALAIN ; MENDLEIN JOHN ; WATKINS JEFFRY

Inventor(s): CHIANG KYLE P CARDIFF ; QUINN CHERYL L MINNEAPOLIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; VALLEJO JUAN PEDRO; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011248227 AA	20111110	LSPB	+	published / reissued	
AU2011248227 AA	20170330	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011248227 BB	20161201	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248227 BB	20310503	PEXP		Calculated Patent Term Expiry	
CA2797977 AA	20121030	LSPB	+	published / reissued	
CA2797977 AA	20160422	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160413
CN103096912 A	20130508	LSPB	+	published / reissued	
CN103096912 A	20130508	LSPB	+C06	PUBLICATION	
CN103096912 A	20160907	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
CN105820252 A	20160803	LSPB	+	published / reissued	
CN105820252 A	20160803	LSPB	+C06	PUBLICATION	
EP2566495 A2	20130313	LSPB	+	published / reissued	
EP2566495 A2	20130313	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121121
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EP2566495 B1	20170322	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
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EP2566495 B1	20170710	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2566495 B1	20170712	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2623805 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20170712
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EP2566495 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170601
EP2566495 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 7
EP2566495 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 7
EP2566495 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 7
EP2566495 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566495 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170601
EP2566495 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170601 YEAR OF FEE PAYMENT : 7
EP2566495 B1	20170929	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				FROM NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
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EP2566495 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170703
EP2566495 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170701
EP2566495 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20171204	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011035467 COUNTRY OF REF DOCUMENT : DE
EP2566495 B1	20171229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2566495 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301

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EP2566495 B1	20180207	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20171204
EP2566495 B1	20180221	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2566495 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566495 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170301
EP2566495 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566495 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170503
EP2566495 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170503
EP2566495 B1	20180525	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2566495 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8
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EP2566495 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566495 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180525 YEAR OF FEE PAYMENT : 8
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				VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	FEES LAPSED DATE : 20170503
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EP2566495 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20110503
EP2566495 B1	20310503	PEXP		Calculated Patent Term Expiry	
ES2623805 T3	20170712	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2623805 T3	20310503	PEXP		Calculated Patent Term Expiry	
IN10281DN2012 A	20160325	LSPB	+	published / reissued	
JP2013533733 T2	20130829	LSPB	+	published / reissued	
JP2013533733 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013533733 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013533733 T2	20150423	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150422
JP2013533733 T2	20150807	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150807
JP2013533733 T2	20150825	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150807
JP2013533733 T2	20160204	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160203
JP2013533733 T2	20160502	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160502
JP2013533733 T2	20160816	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013533733 T2	20160819	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160819
JP2013533733 T2	20160923	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160913
JP2013533733 T2	20160923	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6008840 COUNTRY OF REF DOCUMENT : JP
JP2015211694 A2	20151126	LSPB	+	published / reissued	
JP2015211694 A2	20160506	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160506

JP2015211694 A2	20170203	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20170203
JP6008840 B2	20161019	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6008840 B2	20160825	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6008840 B2	20160920	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6008840 B2	20160923	LSGT	+R150	特許証 (Patent certificate)	
JP6008840 B2	20310503	PEXP		Calculated Patent Term Expiry	
US10179906 BB	20190115	LSGT	+	granted / extensions (spc, cpc, pte)	
US10179906 BB	20170524	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:042554/0683 EFFECTIVE DATE : 20121221
US10179906 BB	20170524	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:042554/0628
US10179906 BB	20181222	LSGT	PAT1	Patented Case	
US10179906 BB	20370118	PEXP		Calculated Patent Term Expiry	
US2013195832 AA	20130801	LSPB	+	published / reissued	
US2013195832 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013195832 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013195832 AA	20150429	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015361410 AA	20151217	LSPB	+	published / reissued	
US2015361410 AA	20170222	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017247678 AA	20170831	LSPB	+	published / reissued	
US2017247678 AA	20170711	LSES	NFA1	Non Final Action Mailed	
US2017247678 AA	20181222	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9034321 BB	20150519	LSGT	+	granted /	

				extensions (spc, cpc, pte)	
US9034321 BB	20150429	LSGT	PAT1	Patented Case	
US9034321 BB	20181119	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9034321 BB	20310801	PEXP		Calculated Patent Term Expiry (PTA 90 days)	
US9593323 BB	20170314	LSGT	+	granted / extensions (spc, cpc, pte)	
US9593323 BB	20150826	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:036430/0520 EFFECTIVE DATE : 20121221
US9593323 BB	20150826	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:036430/0525
US9593323 BB	20151016	LSES	NFA1	Non Final Action Mailed	
US9593323 BB	20170222	LSGT	PAT1	Patented Case	
US9593323 BB	20350415	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11140132 A2	20111110	LSPB	+	published / reissued	
WO11140132 A2	20110503	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031304.9 COUNTRY OF REF DOCUMENT : CN
WO11140132 A9	20121019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013509189 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140132 A9	20121030	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2797977 COUNTRY OF REF DOCUMENT : CA
WO11140132 A9	20121105	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11140132 A9	20121121	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011778205 COUNTRY OF REF DOCUMENT : EP
WO11140132 A9	20121126	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10281/DELNP/2012 COUNTRY OF REF DOCUMENT : IN
WO11140132 A9	20121213	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011248227 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110503 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140132 A9	20130409	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13696046 COUNTRY OF REF DOCUMENT : US

7) Family number: 49918048 (US2013236440A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF METHIONYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.



Classifications:
International (IPC 8-9): A61K31/7088 A61K38/00 A61K38/16 A61K38/53 A61K39/395 A61K47/34 A61K47/42 A61K47/48 A61P25/00 A61P29/00 A61P3/10 A61P35/00 C07K1/00 C07K14/525 C07K16/40 C07K19/00 C12M1/00 C12M1/40 C12M3/00 C12N15/09 C12N15/113 C12N15/52 C12N5/071 C12N5/10 C12N9/00 C12N9/96 C12P C12P21/02 C12Q1/02 C12Q1/25 C12Q1/68 G01N27/62 G01N33/15 G01N33/483 G01N33/50 G01N33/53 G01N33/566 G01N33/573 G01N33/68 (Advanced/Invention)
CPC: G01N33/68 C12N5/0602 C12N9/96 G01N33/573 A61K38/53 C12Y601/01 G01N2333/9015 C07K2317/92 C07K2317/76 C12Y601/0101 C07K2317/24 C07K2317/622 C07K16/40 C12N9/93
European: C12N9/93
US: 1/1 424/135.1 424/94.1 424/94.5 435/183 435/188 435/325 435/375 435/7.4 514/1.1 514/18.2 514/19.3 514/21.2 514/6.9 530/300 530/350 530/387.9

Family:

Publication number	Publication date	Application number	Application date
AU2011248230 AA	20111110	AU20110248230	20110503
AU2011248230 BB	20161006	AU20110248230	20110503
CA2797978 AA	20121030	CA20112797978	20110503
CN103140233 A	20130605	CN201180031234	20110503
CN103140233 B	20170405	CN201180031234	20110503
DE602011046058 D1	20180329	DE201160046058T	20110503
EP2566496 A2	20130313	EP20110778207	20110503
EP2566496 A4	20140409	EP20110778207	20110503
EP2566496 B1	20180228	EP20110778207	20110503
ES2668207 T3	20180517	ES20110778207T	20110503
IN10282DN2012 A	20160325	IN2012DN10282	20121126
JP2013532957 T2	20130822	JP20130509190T	20110503
JP6008841 B2	20161019	JP20130509190T	20110503
US2013236440 AA	20130912	US20110696044	20110503
US2015284705 AA	20151008	US20150619713	20150211
US2017058048 AA	20170302	US20160207267	20160711
US8981045 BB	20150317	US20110696044	20110503
US9422538 BB	20160823	US20150619713	20150211
WO11140135 A2	20111110	WO2011US35056	20110503
WO11140135 A3	20120405	WO2011US35056	20110503
WO11140135 A9	20120614	WO2011US35056	20110503

Priority:

US201000330596P 20100503 US201000331282P 20100504 EP20110778207 20110503
US20110696044 20110503 WO2011US35056 20110503 US20130696044 20130509
US20150619713 20150211 US20160207267 20160711

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): CHIANG KYLE P ; HONG FEI ; GREENE LESLIE ANN ; MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; WATKINS JEFFRY D ; LO WING SZE ; QUINN CHERYL L ; VASSEROT ALAIN PHILIPPE ; ATYR PHARMA INC

Assignee(s): ATYR PHARMA INC SAN DIEGO ; PANGU BIOPHARMA LIMITED

Inventor(s): (std): VASSEROT ALAIN P ; WATKINS JEFFRY D ; WATKINS JEFFRY ; VASSEROT ALAIN ; QUINN CHERYL ; MENDLEIN JOHN ; GREENE LESLIE ; CHIANG KYLE ; VASSEROT ALAIN PHILIPPE ; GREENE LESLIE ANN ; HONG FEI ; LO WING SZE ; MENDLEIN JOHN D ; QUINN CHERYL L ; CHIANG KYLE P

Inventor(s): CHIANG KYLE P CARDIFF ; QUINN CHERYL L MINNEAPOLIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; VALLEJO JUAN PEDRO; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2011248230 AA	20111110	LSPB	+	published / reissued	
AU2011248230 AA	20170202	LSGT	+FGA	LETTERS PATENT	

				SEALED OR GRANTED (STANDARD PATENT)	
AU2011248230 BB	20161006	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248230 BB	20310503	PEXP		Calculated Patent Term Expiry	
CA2797978 AA	20121030	LSPB	+	published / reissued	
CA2797978 AA	20160421	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160412
CN103140233 A	20130605	LSPB	+	published / reissued	
CN103140233 A	20130605	LSPB	+C06	PUBLICATION	
CN103140233 A	20170405	LSGT	+GR01	PATENT GRANT	
CN103140233 B	20170405	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103140233 B	20310503	PEXP		Calculated Patent Term Expiry	
EP2566496 A2	20130313	LSPB	+	published / reissued	
EP2566496 A2	20130313	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121121
EP2566496 A2	20140312	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALI20140204BHEP
EP2566496 A2	20140312	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20140204BHEP
EP2566496 A2	20140312	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20140204BHEP
EP2566496 A2	20140312	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 3/10 20060101ALI20140204BHEP
EP2566496 A2	20140312	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 14/525 20060101ALI20140204BHEP
EP2566496 A2	20140312	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 29/00 20060101ALI20140204BHEP
EP2566496 A2	20140319	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20140213BHEP
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EP2566496 A4	20150408	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150309
EP2566496 A4	20171018	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170921
EP2566496 B1	20180228	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2566496 B1	20180228	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2566496 B1	20180228	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
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EP2566496 B1	20180321	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
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EP2566496 B1	20180517	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2668207 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20180517
EP2566496 B1	20180523	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2566496 B1	20180710	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2566496 B1	20180715	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 973404 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180228
EP2566496 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				FROM NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT LAPSED DATE : 20180528
EP2566496 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180514 YEAR OF FEE PAYMENT : 8
EP2566496 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180626 YEAR OF FEE PAYMENT : 8
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EP2566496 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180529
EP2566496 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
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EP2566496 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180528
EP2566496 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180614 YEAR OF FEE PAYMENT : 8
EP2566496 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180523 YEAR OF FEE PAYMENT : 8

				TO EPO]	
EP2566496 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180523 YEAR OF FEE PAYMENT : 8
EP2566496 B1	20181129	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011046058 COUNTRY OF REF DOCUMENT : DE
EP2566496 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20181214	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2566496 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20190206	LSGT	+26N	NO OPPOSITION	EFFECTIVE DATE : 20181129

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EP2566496 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180531
EP2566496 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180531
EP2566496 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180228
EP2566496 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180503
EP2566496 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180503
EP2566496 B1	20310503	PEXP		Calculated Patent Term Expiry	
ES2668207 T3	20180517	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2668207 T3	20310503	PEXP		Calculated Patent Term Expiry	
IN10282DN2012 A	20160325	LSPB	+	published / reissued	
JP2013532957 T2	20130822	LSPB	+	published / reissued	
JP2013532957 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013532957 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013532957 T2	20150423	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150422
JP2013532957 T2	20150910	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150910
JP2013532957 T2	20160204	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160203
JP2013532957 T2	20160502	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160502
JP2013532957 T2	20160816	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013532957 T2	20160819	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160819

				REGISTRATION (UTILITY MODEL)	
JP2013532957 T2	20160923	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160913
JP2013532957 T2	20160923	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6008841 COUNTRY OF REF DOCUMENT : JP
JP6008841 B2	20161019	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6008841 B2	20160825	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6008841 B2	20160920	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6008841 B2	20160923	LSGT	+R150	特許証 (Patent certificate)	
JP6008841 B2	20310503	PEXP		Calculated Patent Term Expiry	
US2013236440 AA	20130912	LSPB	+	published / reissued	
US2013236440 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013236440 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013236440 AA	20150225	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015284705 AA	20151008	LSPB	+	published / reissued	
US2015284705 AA	20160330	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:038302/0828
US2015284705 AA	20160330	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:038139/0798 EFFECTIVE DATE : 20121221
US2015284705 AA	20160803	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017058048 AA	20170302	LSPB	+	published / reissued	
US2017058048 AA	20161118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:040368/0534 EFFECTIVE DATE : 20121221

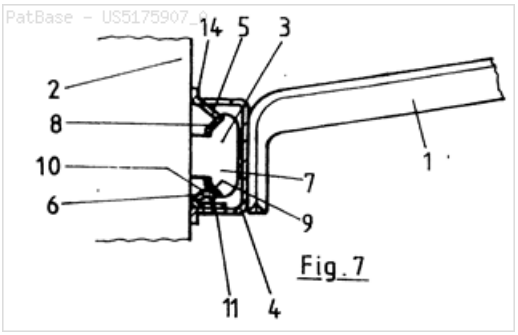
US2017058048 AA	20161118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:040368/0512
US2017058048 AA	20181221	LSES	NFA1	Non Final Action Mailed	
US8981045 BB	20150317	LSGT	+	granted / extensions (spc, cpc, pte)	
US8981045 BB	20150225	LSGT	PAT1	Patented Case	
US8981045 BB	20180917	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8981045 BB	20311216	PEXP		Calculated Patent Term Expiry (PTA 227 days)	
US9422538 BB	20160823	LSGT	+	granted / extensions (spc, cpc, pte)	
US9422538 BB	20160803	LSGT	PAT1	Patented Case	
US9422538 BB	20350211	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11140135 A2	20111110	LSPB	+	published / reissued	
WO11140135 A2	20110503	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031234.7 COUNTRY OF REF DOCUMENT : CN
WO11140135 A9	20121019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013509190 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140135 A9	20121030	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2797978 COUNTRY OF REF DOCUMENT : CA
WO11140135 A9	20121105	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11140135 A9	20121121	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011778207 COUNTRY OF REF DOCUMENT : EP
WO11140135 A9	20121126	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10282/DELNP/2012 COUNTRY OF REF DOCUMENT : IN
WO11140135 A9	20121213	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011248230 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110503 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140135 A9	20130509	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13696044 COUNTRY OF REF DOCUMENT : US

8) Family number: 2981065 (US5175907A)

Title: FASTENING DEVICE FOR SECURING OF A HANDLE ON A COOKING UTENSIL

Abstract: A fastening device for fastening a handle element on a cooking utensil. In order to assure an easy mounting with a simple manufacturing capability and in order to assure that the handle element even after longer use is fixedly anchored to the cooking utensil, it is provided that at least one support element is fastened to the cooking utensil, which support element has a substantially V-shaped cross section at least in one partial area. At least one cup-shaped fastening element is mounted on the handle element, which fastening element in turn is mounted onto the support element and has on the opposite inside walls a rigid holding bar and a holding spring opposite the holding bar.

Classifications:
International (IPC 8-9): A47J45/06 A47J45/07 (Advanced/Invention); A47J45/00 (Core/Invention)
International (IPC 1-7): A47J45/06 A47J45/10 A47J45/7
CPC: A47J45/071
European: A47J45/07A
US: 16/114A 220/752



Family:

Publication number	Publication date	Application number	Application date
DE4016399 A1	19911128	DE19904016399	19900522
DE59101185 D1	19940421	DE19915001185	19910521
EP0458254 A2	19911127	EP19910108160	19910521
EP0458254 A3	19920520	EP19910108160	19910521
EP0458254 B1	19940316	EP19910108160	19910521
ES2050480 T3	19940516	ES19910108160T	19910521
JP5192258 A2	19930803	JP19910115765	19910521
US5175907 A	19930105	US19910703262	19910521

Priority:
DE19904016399 19900522 DE19915001185 19910521

Probable Assignee: BAUMGARTEN HEINRICH KG

Assignee(s): (std): BAUMGARTEN HEINRICH KG

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Designated states: DE ES FR GR IT

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE4016399 A1	19911128	LSPB	+	published / reissued	
DE4016399 A1	19970507	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
DE59101185 D1	19950413	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59101185 D1	19990708	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0458254 A2	19911127	LSPB	+	published / reissued	
EP0458254 A3	19921028	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19920827
EP0458254 A3	19921202	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19921019
EP0458254 B1	19940316	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0458254 B1	19940412	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 19940412 YEAR OF FEE PAYMENT : 4

EP0458254 B1	19940421	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19940421 YEAR OF FEE PAYMENT : 4
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EP0458254 B1	19950308	LSGT	+26N	NO OPPOSITION FILED	
EP0458254 B1	19951130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19951130
EP0458254 B1	19960131	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : MM2A TEXT : 3011307
EP0458254 B1	19960229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR LAPSED DATE : 19960229
EP0458254 B1	19960405	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0458254 B1	19960419	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
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EP0458254 B1	19970711	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 19970711 YEAR OF FEE PAYMENT : 7
EP0458254 B1	19980522	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19980522
EP0458254 B1	19990302	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19990302
EP0458254 B1	20000516	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20000403
EP0458254 B1	20050521	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050521
EP0458254 B1	20110521	PEXP		Calculated Patent Term Expiry	
ES2050480 T3	19940516	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2050480 T3	19940516	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 458254 COUNTRY OF REF DOCUMENT : ES

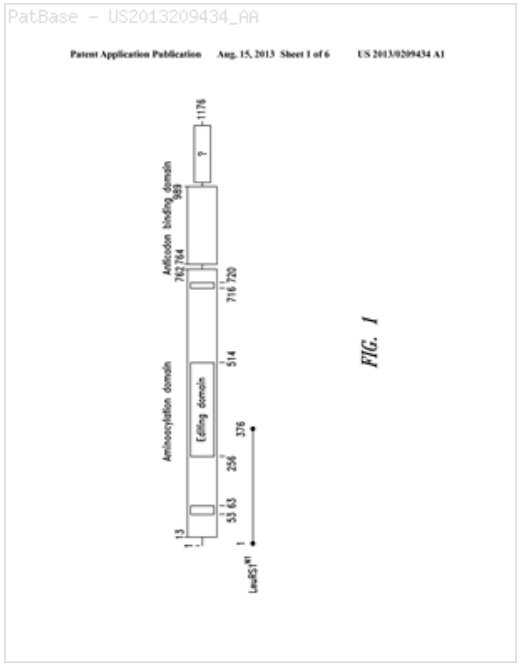
ES2050480 T3	20110521	PEXP		Calculated Patent Term Expiry	
JP5192258 A2	19930803	LSPB	+	published / reissued	
US5175907 A	19930105	LSGT	+	granted / extensions (spc, cpc, pte)	
US5175907 A	19910722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUER BESCHLAG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:BAUMGARTEN, GERD D.; REEL/FRAME:005804/0214 EFFECTIVE DATE : 19910522
US5175907 A	19921223	LSGT	PAT1	Patented Case	
US5175907 A	19960621	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5175907 A	20010107	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5175907 A	20010313	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20010105
US5175907 A	20180127	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5175907 A	20180127	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5175907 A	20110521	PEXP		Calculated Patent Term Expiry	

9) Family number: 49963074 (US2013209434A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF LEUCYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K38/00 A61K38/16 A61K38/17 A61K38/53 A61K39/395 A61K47/34 A61K47/48 A61K47/64 A61K47/66 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P43/00 A61P7/00 C07K14/00 C07K16/40 C07K19/00 C12M1/00 C12M3/00 C12N1/11 C12N1/15 C12N1/21 C12N15/09 C12N15/113 C12N15/52 C12N5/07 C12N5/10 C12N9/00 C12N9/10 C12N9/96 C12P21/06 C12Q1/00 C12Q1/02 C12Q1/25 C12Q1/48 C12Q1/527 C12Q1/68 C40B30/04 G01N33/15 G01N33/483 G01N33/50 G01N33/566 G01N33/573 (Advanced/Invention);
A61K38/00 A61K38/53 A61K39/00 (Advanced/Non-invention)
CPC: A61K39/395 C12N9/93 G01N33/50 A61K38/00 A61K2039/505 C12Q1/527 G01N33/573 C07K16/40 C12Y601/01 A61K38/53
European: C12N9/93 C12Q1/527 G01N33/573 K61K38/00
US: 424/94.5 435/183 435/188 435/193 435/357 435/366 435/375 435/69.1 435/69.3 435/7.1 435/7.4 530/324 530/387.9 530/389.1 536/23.1 536/23.2 536/23.5



Family:

Publication number	Publication date	Application number	Application date
AU2011256366 AA	20111124	AU20110256366	20110516
AU2011256366 BB	20170223	AU20110256366	20110516
AU2011256366 CA	20170615	AU20110256366	20110516
CA2799480 AA	20121114	CA20112799480	20110516
CN103096914 A	20130508	CN201180031800	20110516
CN103096914 B	20150812	CN201180031800	20110516
DE602011030192 D1	20161020	DE201160030192T	20110516
EP2571513 A2	20130327	EP20110784047	20110516
EP2571513 A4	20131127	EP20110784047	20110516
EP2571513 B1	20160907	EP20110784047	20110516
IN10251CN2012 A	20141219	IN2012CN10251	20121206
JP2013529085 T2	20130718	JP20130511266T	20110516
JP2016036344 A2	20160322	JP20150188044	20150925
JP6027965 B2	20161116	JP20130511266T	20110516
US2013209434 AA	20130815	US20110698577	20110516
US2016010075 AA	20160114	US20150688822	20150416
US2018155704 AA	20180607	US20170701993	20170912
US9034598 BB	20150519	US20110698577	20110516
US9790482 BB	20171017	US20150688822	20150416
US10179908 BB	20190115	US20170701993	20170912
WO11146410 A2	20111124	WO2011US36684	20110516
WO11146410 A3	20120405	WO2011US36684	20110516

Priority:

US20100345531P 20100517 US20100345532P 20100517 US20100345533P 20100517
EP20110784047 20110516 JP20130511266T 20110516 WO2011US36684 20110516
US20110698577 20110516 US20130698577 20130327 US20150688822 20150416
JP20150188044 20150925 US20170701993 20170912

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011256366 AA	20111124	LSPB	+	published / reissued	
AU2011256366 BB	20170223	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011256366 BB	20170323	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011256366 BB	20170615	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011256366 BB	20170622	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011256366 BB	20310516	PEXP		Calculated Patent Term Expiry	
CA2799480 AA	20121114	LSPB	+	published / reissued	
CA2799480 AA	20160503	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160422
CN103096914 A	20130508	LSPB	+	published / reissued	
CN103096914 A	20130508	LSPB	+C06	PUBLICATION	
CN103096914 B	20150812	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103096914 B	20150812	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103096914 B	20310516	PEXP		Calculated Patent Term Expiry	
EP2571513 A2	20130327	LSPB	+	published / reissued	
EP2571513 A2	20130327	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121206
EP2571513 A2	20131120	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALI20131016BHEP
EP2571513 A2	20131120	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 29/00 20060101ALI20131016BHEP
EP2571513 A2	20131120	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 3/00 20060101ALI20131016BHEP
EP2571513 A2	20131120	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20131016BHEP
EP2571513 A2	20131120	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20131016BHEP
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EP2571513 A4	20131127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20131022BHEP
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EP2571513 A4	20140709	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20140610
EP2571513 A4	20160504	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160408
EP2571513 B1	20160907	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2571513 B1	20160907	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2571513 B1	20160915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2571513 B1	20161005	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2571513 B1	20161015	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 826232 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161015
EP2571513 B1	20161020	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011030192 COUNTRY OF REF DOCUMENT : DE
EP2571513 B1	20170110	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2571513 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161207
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				INFORMATION FROM NATIONAL OFFICE TO EPO]	OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
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EP2571513 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
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EP2571513 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170525	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161207
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170109
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170107
EP2571513 B1	20170608	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011030192 COUNTRY OF REF DOCUMENT : DE
EP2571513 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	LAPSED DATE : 20160907
EP2571513 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 7
EP2571513 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 7
EP2571513 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 7
EP2571513 B1	20170816	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20170608
EP2571513 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2571513 B1	20171229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2571513 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20180221	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2571513 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2571513 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2571513 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170516
EP2571513 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170516
EP2571513 B1	20180525	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2571513 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8

				NATIONAL OFFICE TO EPO]	
EP2571513 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180525 YEAR OF FEE PAYMENT : 8
EP2571513 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170516
EP2571513 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160907
EP2571513 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8
EP2571513 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20110516
EP2571513 B1	20310516	PEXP		Calculated Patent Term Expiry	
IN10251CN2012 A	20141219	LSPB	+	published / reissued	
JP2013529085 T2	20130718	LSPB	+	published / reissued	
JP2013529085 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013529085 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013529085 T2	20150629	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150626
JP2013529085 T2	20150925	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150925
JP2013529085 T2	20151014	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150925
JP2013529085 T2	20160212	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160210
JP2013529085 T2	20160609	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160609
JP2013529085 T2	20160727	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160726
JP2013529085 T2	20160926	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013529085 T2	20160929	LSGT	+A01	WRITTEN DECISION TO GRANT A	TEXT : JAPANESE INTERMEDIATE CODE: A01

				PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	EFFECTIVE DATE : 20160929
JP2013529085 T2	20161020	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20161017
JP2013529085 T2	20161021	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6027965 COUNTRY OF REF DOCUMENT : JP
JP2016036344 A2	20160322	LSPB	+	published / reissued	
JP2016036344 A2	20160704	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160704
JP2016036344 A2	20170302	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20170302
JP2016036344 A2	20170630	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20170630
JP6027965 B2	20161116	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6027965 B2	20161006	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6027965 B2	20161018	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6027965 B2	20161021	LSGT	+R150	特許証 (Patent certificate)	
JP6027965 B2	20310516	PEXP		Calculated Patent Term Expiry	
US10179908 BB	20190115	LSGT	+	granted / extensions (spc, cpc, pte)	
US10179908 BB	20170912	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10179908 BB	20171030	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10179908 BB	20181222	LSGT	PAT1	Patented Case	
US10179908 BB	20370912	PEXP		Calculated Patent Term Expiry	
US2013209434 AA	20130815	LSPB	+	published / reissued	
US2013209434 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013209434 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013209434 AA	20150429	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016010075 AA	20160114	LSPB	+	published / reissued	

US2016010075 AA	20170223	LSES	NFA1	Non Final Action Mailed	
US2016010075 AA	20170608	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016010075 AA	20170625	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016010075 AA	20170706	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016010075 AA	20170722	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016010075 AA	20170912	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016010075 AA	20170913	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016010075 AA	20170927	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018155704 AA	20180607	LSPB	+	published / reissued	
US2018155704 AA	20180627	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2018155704 AA	20180627	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018155704 AA	20180723	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:046432/0666 EFFECTIVE DATE : 20121221
US2018155704 AA	20180723	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:046619/0325
US2018155704 AA	20181222	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9034598 BB	20150519	LSGT	+	granted / extensions (spc, cpc, pte)	
US9034598 BB	20150429	LSGT	PAT1	Patented Case	
US9034598 BB	20181119	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9034598 BB	20310802	PEXP		Calculated Patent Term Expiry (PTA 78 days)	
US9790482 BB	20171017	LSGT	+	granted / extensions (spc, cpc, pte)	
US9790482 BB	20150924	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:036649/0570

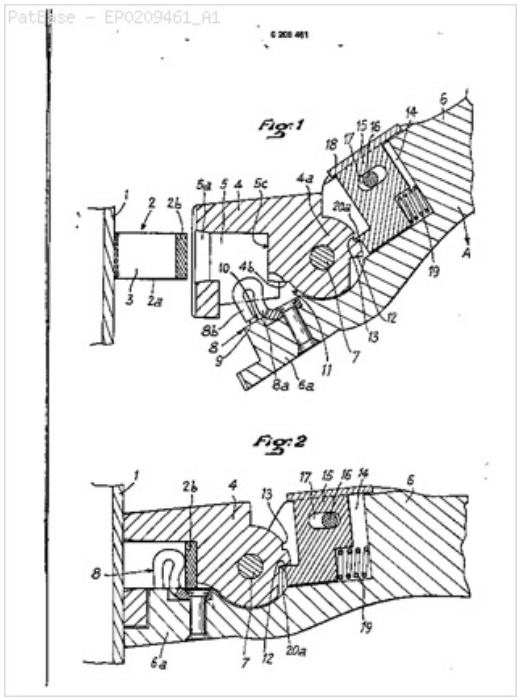
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US9790482 BB	20170927	LSGT	PAT1	Patented Case	
US9790482 BB	20351201	PEXP		Calculated Patent Term Expiry (PTA 229 days)	
WO11146410 A2	20111124	LSPB	+	published / reissued	
WO11146410 A2	20110516	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031800.4 COUNTRY OF REF DOCUMENT : CN
WO11146410 A3	20121102	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013511266 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11146410 A3	20121114	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2799480 COUNTRY OF REF DOCUMENT : CA
WO11146410 A3	20121119	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11146410 A3	20121206	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011784047 COUNTRY OF REF DOCUMENT : EP
WO11146410 A3	20121206	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10251/CHENP/2012 COUNTRY OF REF DOCUMENT : IN
WO11146410 A3	20130110	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011256366 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110516 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11146410 A3	20130327	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13698577 COUNTRY OF REF DOCUMENT : US

10) Family number: 6393081 (EP0209461A1)

Title: Detachable handle for a pan.

Abstract: The invention relates to a detachable handle for a pan 1 equipped with a clamping bow 2. This handle is in two parts 4 and 6 articulated to each other about a shaft 7 between two positions in which, respectively, a clamping stud 8 integral with the part 6 is engaged or released from a bow 2 placed in a housing 5 of the part 4, the engagement position being locked by a latch mechanism 14 of the part 6 interacting with an indentation 13 of the part 4 when these two parts are aligned with each other. Application to the domestic appliance industry.

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention)
International (IPC 1-7): A47J45/07
CPC: A47J45/071
European: A47J45/07A



Family:

Publication number	Publication date	Application number	Application date
EP0209461 A1	19870121	EP19860401558	19860711
FR2584913 A1	19870123	FR19850010874	19850716
FR2584913 B1	19871127	FR19850010874	19850716

Priority:

FR19850010874 19850716

Probable Assignee: SITRAM STE INDLE TRANSFOR META

Assignee(s): (std): SITRAM ; SITRAM SOC IND DE TRANSFOR ; SITRAM STE INDLE TRANSFOR META

Assignee(s): SITRAM STE INDLE TRANSFOR METAUX ; SOCIETE INDUSTRIELLE DE TRANSFORMATION DE METAUX S ; SOCIETE INDUSTRIELLE DE TRANSFORMATION DE METAUX SITRAM

Inventor(s): (std): TABUTEAU GERARD

Inventor(s): GERARD TABUTEAU

Designated states: AT BE CH DE GB IT LI LU NL SE

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
EP0209461 A1	19870121	LSPB	+	published / reissued	
EP0209461 A1	19870121	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19860721
EP0209461 A1	19880203	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19871218
EP0209461 A1	19891018	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19880423
FR2584913 A1	19870123	LSPB	+	published / reissued	
FR2584913 B1	19871127	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2584913 B1	20000721	LSLE	-ST	NOTIFICATION OF LAPSE	

FR2584913 B1	20050716	PEXP	Calculated Patent Term Expiry

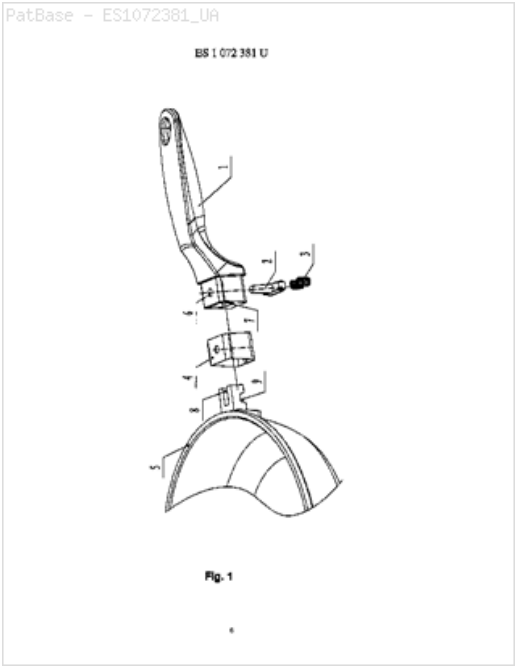
11) Family number: 45888090 (ES1072381U) © PatBase

Title: CACEROLA CON MANGO FACIL DE MONTAR Y DESMONTAR PAN **HANDLE** EASY TO INSTALL AND REMOVE (Machine translation)

Abstract: Source: ES1072381U [ES] 1. Cacerola con mango facil de montar y desmontar, que incluye el cuerpo de la cacerola (5) y el mango (1) que se conecta con el, en el extremo donde se conecta el mango (1) con el cuerpo de cacerola (5) se encuentra la cavidad (7), esta ultima (7) esta protegida por una cubierta metalica de proteccion (4), tambien incluye la palanca de cuna (2) que conecta el mango (1) con el cuerpo de la cacerola (5), cuyas caracteristicas son las siguientes: En la pared superior de la cavidad antes mencionada (7), se encuentra el agujero limitador de posicion (6), en la pared lateral del interior de la cavidad (7) esta la ranura deslizante (10), la cual es verticalmente paralela al mango (1), en la parte inferior de la cavidad (7) esta la ranura de paso, dicha ranura se conecta verticalmente con la ranura deslizante (10) que se encuentra en la pared lateral antes citada. La pared superior de la cubierta metalica de proteccion (4), tambien dispone de un agujero que es el correspondiente al agujero limitador de posicion (6), permitiendo asi el movimiento de la palanca de cuna (2) hacia arriba y hacia abajo dentro del agujero limitador de posicion (6) y de la cubierta metalica de proteccion (4). La palanca de cuna indicada (2) presenta una estructura en forma de T, incluyendo la parte horizontal y la parte vertical de la palanca de compresion vertical se extiende a traves del agujero limitador de posicion (6) y el de la pared superior de la cubierta metalica de proteccion (4); en la base de la parte horizontal mencionada anteriormente, se encuentran dos ranuras, o puede ser una sola, para colocar el resorte del soporte (3); la palanca de cuna (2) es sostenida sobre la cubierta metalica de proteccion (4) por medio del resorte del soporte (3). En la parte correspondiente al mango de la cacerola (1), en la pared lateral del cuerpo de la cacerola (5) dispone de la parte de conexion que se coordina con la cavidad (7) del mango (1), dicha parte de conexion cuenta con una ranuratransversal (9) que une con la parte horizontal de la palanca de cuna (2) y con la ranura retractil (8) en la que cabe la parte de la palanca de presion vertical de la palanca de cuna (2). 2. Cacerola con mago facil de montar y desmontar, segun reivindicacion 1, que cuenta con las siguientes caracteristicas: en los dos extremos de la parte horizontal de la palanca de cuna mencionada dispone de una seccion transversal, que presenta forma rectangular coincidente con la ranura deslizante (10) de la pared lateral; salvo los dos extremos, la seccion transversal de la parte horizontal de dicha palanca (2) presenta forma trapezoidal, y por coincidencia, la seccion transversal de la ranura transversal (9) en la parte de conexion del cuerpo de la cacerola (5), tambien tiene forma trapezoidal; por otro lado, la longitud del lado inclinado del trapezoide de la seccion transversal de dicha ranura transversal (9), es un poco mas larga que la de la seccion transversal de la parte horizontal dela palanca de cuna (2). 3. Cacerola con mango facil de montar y desmontar, segun reivindicaciones 1 y 2, que presenta la siguiente caracteristica: la palanca de compresion vertical de la palanca de cuna (2) se presenta en forma cilindrica.

Machine translation: 1. Saucepan with handle easy to assemble and disassemble, which includes the body of the pan (5) and mango (1) that is connected with at the end where it connects to the handle (1) with the pan body (5) is the cavity (7), the latter (7) is protected by a protective metal cover (4), also includes the cradle lever (2) connecting the handle (1) with the body of the pan (5), whose characteristics are as follows: In the top wall above the cavity (7), is the position-limiting hole (6), in the sidewall of the cavity (7) is the sliding groove (10), which is vertically parallel to the handle (1), at the bottom of the cavity (7) the passage slot, said slot is connected vertically with the sliding groove (10) which is located in the sidewall cited above. The upper wall of the protective metal cover (4), also has a hole corresponding to the hole is the position limiter (6), thus allowing the movement of the cradle lever (2) upwardly and downwardly within the position limiting hole (6) and the protective metal cover (4). Indicated cradle lever (2) has a T-shaped structure, including the horizontal and the vertical part of the compression lever extends vertically through the hole position limiter (6) and the upper wall of the protective metal cover (4), at the base of the horizontal part mentioned above, there are two grooves, or may be a single, to place the spring support (3), the cradle lever (2) is supported on the protective metal cover (4) by the spring support (3). The share of the pan **handle** (1), the lateral body wall of the pan (5) provides the connection part of which is coordinated with the cavity (7) of the handle (1), said connecting portion has a ranuratransversal (9) which joins the horizontal part of the cradle lever (2) and retractable with the slot (8) in which fits the portion of the vertical pressure lever lever cradle (2). 2. Wizard pan with easy to assemble and disassemble, according to claim 1, which has the following characteristics: at the two ends of the horizontal part of the aforementioned cradle lever has a cross section, which has a rectangular shape coincides with the sliding groove (10) of the side wall, except the two ends, the cross section of the horizontal portion of said lever (2) has a trapezoidal shape, and coincidentally, the cross section of the transverse groove (9) in the connection part of the body of the pan (5), also has a trapezoidal shape, on the other hand, the length of the inclined side of the trapezoid cross section of said transverse slot (9), is slightly longer than the cross section of the horizontal portion dela cradle lever (2). 3. Saucepan with handle easy to assemble and disassemble, according to claims 1 and 2, which has the following feature: push the lever vertical compression cradle (2) is presented in a cylindrical shape.

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention); A47J45/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
ES1072381 UA	20100701	ES20100030047U	20100122
ES1072381 Y1	20100928	ES20100030047U	20100122

Priority:

ES20100030047U 20100122

Probable Assignee: ZHU JINHONG

Assignee(s): (std)**:** ZHU JINHONG

Inventor(s): (std)**:** ZHU JINHONG

Legal status (INPADOC)

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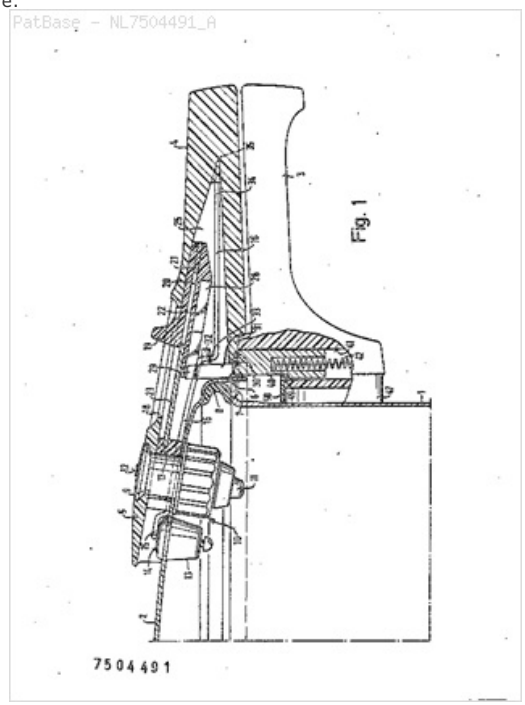
Patent	Date recorded	Event group	Code	Event	Details
ES1072381 UA	20100701	LSPB	+	published / reissued	
ES1072381 Y1	20100928	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1072381 Y1	20100928	LSGT	+FG1K	UTILITY MODEL GRANTED	
ES1072381 Y1	20200122	PEXP		Calculated Patent Term Expiry	

12) Family number: 6169093 (NL7504491A)

Title: COOKING VESSEL USING STEAM UNDER PRESSURE - HAS SAFETY VALVE SPRING CONTROLLING HANDLES AND A COVER

Abstract: The cover (2) incorporates a safety valve (13) held closed by a torsion spring (14, 15). An operating gap points away from the user. In the cover handle is a cam (31), pivoting at its base and having teeth (29) on its upper perimeter. A pin (32) on one side contacts the cranked portion (33) of the torsion spring. When the vessel is sealed, the upper handle (4) engages in a slot in the lower handle (3). This brings a stop (48) against the cam teeth and turns it against a spring loaded finger (40, 44) in the base. The torsion spring is tightened by the pin and closes the safety valve.

Classifications:
International (IPC 8-9): A47J27/092 (Advanced/Invention); A47J27/08 (Core/Invention)
International (IPC 1-7): A47J27/08 A47J27/092
CPC: A47J27/092
European: A47J27/092



Family:

Publication number	Publication date	Application number	Application date
NL176521 B	19841203	NL19750004491	19750415
NL176521 C	19850501	NL19750004491	19750415
NL7504491 A	19761019	NL19750004491	19750415

Priority:

NL19750004491 19750415

Probable Assignee: OBERSCHWAEB METALLWAREN

Assignee(s): (std): OBERSCHWAEB METALLWAREN

Assignee(s): OBERSCHWAEBISCHE METALLWARENFABRIK G M B H AND CO ; OBERSCHWAEBISCHE METALLWARENFABRIK G M B H AND CO K G TE RIEDLINGEN BONDSREP DUITSLAND ; OBERSCHWAEBISCHE METALLWARENFABRIK G M B H AND CO K G TE RIEDLINGEN BONDSREPUBLIEK DUITSLAND ; OBERSCHWAEBISCHE METALLWARENFABRIK GMBH AND CO TE RIEDLINGEN BONDSREP DUITSLAND KG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
NL176521 B	19841203	LSPB	+	published / reissued	
NL176521 B	19950415	PEXP		Calculated Patent Term Expiry	
NL176521 C	19850501	LSGT	+	granted / extensions (spc, cpc, pte)	
NL176521 C	19950516	LSLE	-V4	LAPSED BECAUSE OF REACHING THE MAXIMUM LIFETIME OF A PATENT	
NL176521 C	19950415	PEXP		Calculated Patent Term Expiry	
NL7504491 A	19761019	LSPB	+	published / reissued	
NL7504491 A	19820503	LSES	+BA	A REQUEST FOR SEARCH OR AN INTERNATIONAL-TYPE SEARCH HAS BEEN FILED	
NL7504491 A	19820503	LSES	BB	A SEARCH REPORT HAS BEEN DRAWN UP	
NL7504491 A	19820901	LSES	+BC	A REQUEST FOR EXAMINATION HAS BEEN FILED	

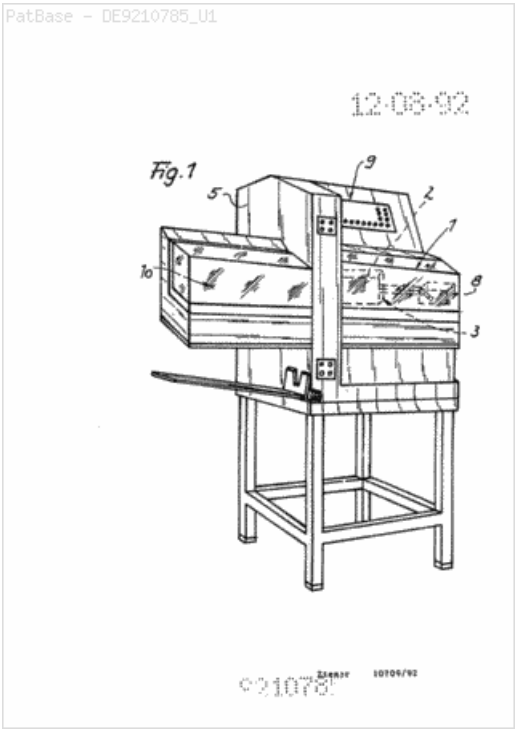
13) Family number: 17702095 (DE9210785U1)

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Abstract: Source: DE9210785U1 [DE] (Claim 1) 1. Motorisch betriebene Brotschneidevorrichtung mit einer Vorrichtung zur Aufnahme eines Brotes, einer Vorrichtung zum Fixieren des Brotes, einer Vorrich- tung zum motorischen Zufuehren des Brotes zu einem motorisch betriebenen Schneidmesser, wobei die Vorrichtung zum motorischen Zufuehren des Brotes einen Antriebsmotor aufweist, der mit der Vor- richtung zum Fixieren des Brotes gekoppelt ist und diese entlang eines Fuehrungskanales schritt- weise zum Schneidmesser transportiert, dadurch gekennzeichnet, der Antriebsmotor (7) an einem Fuehrungsschlitten (11) gehaltert ist, der parallel zum Fuehrungskanal (8) verschieblich ist, dass die Abtriebswelle (12) des Antriebsmotores (7) mit am Fuehrungsschlitten (11) gehaltert ist und mit einer parallel zum Fahrweg des Fuehrungsschlittens (11) verlaufenden gestellfest gehalterten Zahn- stange (14) in Eingriff ist, und dass am Fuehrung- schlitten (11) die Brotfixiervorrichtung (3) be- festigt ist.

Machine translation: (Claim 1) 1 Motorized bread cutting device with a device for receiving a loaf of bread, a device to secure the bread, an apparatus for motor supply of bread to a motor-driven cutting blade, the apparatus comprising the motor supply of bread, a drive motor, with the pre- is direction for fixing the bread coupled and these along a Fuehrungskanales stepwise to the cutting blade transported, wherein the drive motor (7) in a Fuehrungsschlitten (11) mounted, parallel to the Fuehrungskanal (8) is movable, that the output shaft (12) of the drive motor (7) with the Fuehrungsschlitten (11) mounted, and is a parallel to the path of the Fuehrungsschlittens (11) extending fixed to the frame content AGAINST toothed rack (14) engages, and that the Lead Sled (11) the Brotfixiervorrichtung (3) be-is consolidating.

Classifications:
International (IPC 8-9): B26D1/143 B26D1/15 B26D7/01 B26D7/06 (Advanced/Invention);
B26D1/01 B26D7/01 B26D7/06 (Core/Invention)
International (IPC 1-7): B26D1/143 B26D7/01 B26D7/06
CPC: B26D1/143 B26D1/15 B26D7/01 B26D7/0608 B26D2007/011
European: B26D1/143 B26D1/15 B26D7/01 B26D7/06B L26D7/01A



Family:

Publication number	Publication date	Application number	Application date
DE9210785 U1	19921119	DE19920010785U	19920812

Priority:

DE19920010785U 19920812

Probable Assignee: ZIEMER KARL HEINZ 4783 ANROECHTE DE

Assignee(s): ZIEMER KARL HEINZ 4783 ANROECHTE DE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE9210785 U1	19921119	LSGT	+	granted / extensions (spc, cpc, pte)	
DE9210785 U1	20020812	PEXP		Calculated Patent Term Expiry	

14) Family number: 49918097 (US2013224173A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF GLUTAMYL-PROLYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:

International (IPC 8-9): A61K31/7088 A61K38/00 A61K38/08 A61K38/43 A61K38/53 A61K39/39 A61K39/395 A61K47/34 A61K47/48 A61K47/60 A61K48/00 A61K9/00 A61K9/14 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P43/00 A61P7/00 A61P9/00 C07K14/00 C07K14/435 C07K16/40 C07K19/00 C12M1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/52 C12N15/62 C12N5/10 C12N9/00 C12N9/96 C12P1/00 C12Q1/02 C12Q1/68 G01N33/53 (Advanced/Invention); A61K39/00 (Advanced/Non-invention)

CPC: A61K38/53 C12N9/96 A61K9/14 A61K9/0019 A61K39/3955 C07K2317/24 C07K2317/56 C07K2317/34 C07K2317/94 A61K2039/505 C07K2317/569 C07K16/40 C12N9/93 A61K47/60

European: A61K38/53 A61K47/48K6P C07K16/40 C12N9/93

US: 1/1 424/94.5 435/183 435/188 435/375 435/7.4 530/389.1 536/23.2

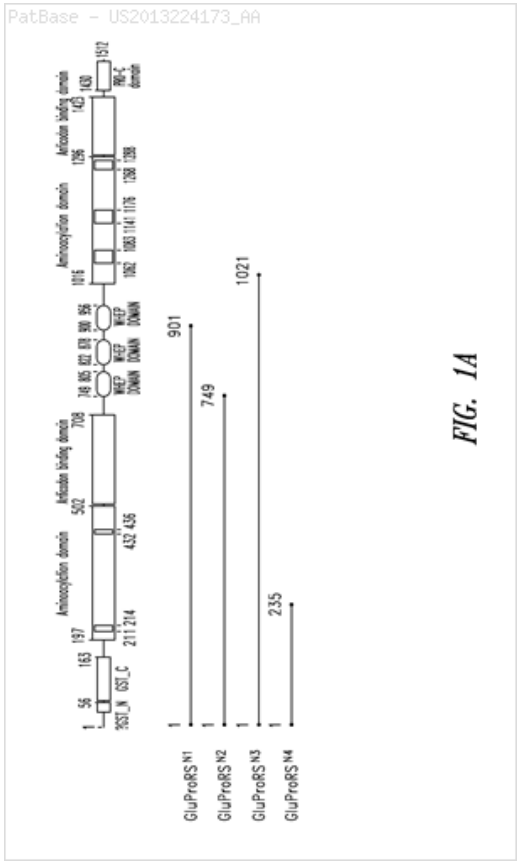


FIG. 1A

Family:

Publication number	Publication date	Application number	Application date
AU2011248100 AA	20111110	AU20110248100	20110504
AU2011248100 AI	20170223	AU20110248100	20110504
AU2011248100 BB	20170119	AU20110248100	20110504
CA2798301 AA	20121101	CA20112798301	20110504
CN103096909 A	20130508	CN201180031549	20110504
DE602011031709 D1	20161208	DE201160031709T	20110504
EP2566492 A2	20130313	EP20110778296	20110504
EP2566492 A4	20131211	EP20110778296	20110504
EP2566492 B1	20161026	EP20110778296	20110504
IN10002CN2012 A	20141219	IN2012CN10002	20121127
JP2013531478 T2	20130808	JP20130509237T	20110504
JP2016041710 A2	20160331	JP20150198426	20151006
JP6008843 B2	20161019	JP20130509237T	20110504
US2013224173 AA	20130829	US20110696048	20110504
US2015353915 AA	20151210	US20150686280	20150414
US2017240650 AA	20170824	US20170398198	20170104
US9062301 BB	20150623	US20110696048	20110504
US9574187 BB	20170221	US20150686280	20150414
US10160814 BB	20181225	US20170398198	20170104
WO11140266 A2	20111110	WO2011US35250	20110504
WO11140266 A3	20120329	WO2011US35250	20110504

Priority:

US20100331084P 20100504
EP20110778296 20110504
US20110696048 20110504
JP20150198426 20151006
US20100331265P 20100504
JP20130509237T 20110504
US20130696048 20130509
US20170398198 20170104
US20100331280P 20100504
WO2011US35250 20110504
US20150686280 20150414

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; WATKINS JEFFRY D ; LO WING SZE ; HONG FEI ; QUINN CHERYL L ; VASSEROT ALAIN PHILIPPE ; PANGU BIGPHARMA LTD ; ATYR PHARMA INC ; CHIANG KYLE P ; GREENE LESLIE ANN

Assignee(s):	PANGU BIOPHARMA LIMITED ; ATYR PHARMA INC SAN DIEGO
Inventor(s): (std):	CHIANG KYLE P ; MENDLEIN JOHN D ; VASSEROT ALAIN P ; WATKINS JEFFRY D ; QUINN CHERYL L ; HONG FEI ; GREENE LESLIE ANN ; LO WING SZE ; VASSEROT ALAIN PHILIPPE ; LESLLE ANN GREENE ; KYLE P CHIANG ; ALAIN P VASSEROT ; JOHN D MENDLEIN ; CHERYL L QUINN ; JEFFRY D WATKINS
Inventor(s):	GREENE LESLIE ANN SAN DIEGO ; CHIANG KYLE P CARDIFF ; HONG FEI SAN DIEGO ; VASSEROT ALAIN P CARLSBAD ; WATKINS JEFFRY D ENCINITAS ; MENDLEIN JOHN D ENCINITAS ; QUINN CHERYL L MINNEAPOLIS
Agent(s):	DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; COOLEY LLP; ROGEL MARK E ET AL
Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011248100 AA	20111110	LSPB	+	published / reissued	
AU2011248100 AA	20170223	LSPB	SREP	SPECIFICATION REPUBLISHED	
AU2011248100 AA	20170518	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011248100 BB	20170119	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248100 BB	20310504	PEXP		Calculated Patent Term Expiry	
CA2798301 AA	20121101	LSPB	+	published / reissued	
CA2798301 AA	20160422	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160413
CN103096909 A	20130508	LSPB	+	published / reissued	
CN103096909 A	20130508	LSPB	+C06	PUBLICATION	
CN103096909 A	20161026	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2566492 A2	20130313	LSPB	+	published / reissued	
EP2566492 A2	20130313	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121121
EP2566492 A4	20131211	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20131112
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EP2566492 A4	20140716	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20140617
EP2566492 A4	20160601	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/53 20060101AFI20160428BHEP
EP2566492 A4	20160615	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160518
EP2566492 B1	20161026	LSGT	+	granted / extensions (spc, cpc, pte)	

EP2566492 B1	20161026	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
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EP2566492 B1	20170315	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 839539 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161026
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EP2566492 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
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				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170226
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170727	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011031709 COUNTRY OF REF DOCUMENT : DE
EP2566492 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	LAPSED DATE : 20161026
EP2566492 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 7
EP2566492 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 7
EP2566492 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 7
EP2566492 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566492 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170126
EP2566492 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20171004	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20170727
EP2566492 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20171229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL

EP2566492 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161026
EP2566492 B1	20180221	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2566492 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566492 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566492 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170504
EP2566492 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170504
EP2566492 B1	20180525	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2566492 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8
EP2566492 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180525 YEAR OF FEE PAYMENT : 8
EP2566492 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170504
EP2566492 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8
EP2566492 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20110504
EP2566492 B1	20310504	PEXP		Calculated Patent Term Expiry	
IN10002CN2012 A	20141219	LSPB	+	published / reissued	
JP2013531478 T2	20130808	LSPB	+	published / reissued	
JP2013531478 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523

					EFFECTIVE DATE : 20140407
JP2013531478 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013531478 T2	20150610	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150609
JP2013531478 T2	20151006	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151006
JP2013531478 T2	20151023	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20151006
JP2013531478 T2	20160229	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160226
JP2013531478 T2	20160624	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160624
JP2013531478 T2	20160704	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160701
JP2013531478 T2	20160817	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013531478 T2	20160819	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160819
JP2013531478 T2	20160923	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160913
JP2013531478 T2	20160923	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6008843 COUNTRY OF REF DOCUMENT : JP
JP2016041710 A2	20160331	LSPB	+	published / reissued	
JP2016041710 A2	20160825	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160825
JP2016041710 A2	20161125	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20161125
JP6008843 B2	20161019	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6008843 B2	20160825	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6008843 B2	20160920	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6008843 B2	20160923	LSGT	+R150	特許証 (Patent certificate)	
JP6008843 B2	20310504	PEXP		Calculated Patent Term Expiry	
US10160814 BB	20181225	LSGT	+	granted / extensions (spc, cpc, pte)	
US10160814 BB	20170517	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:042489/0859

					EFFECTIVE DATE : 20121221
US10160814 BB	20170517	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:042489/0689
US10160814 BB	20190226	LSRE	CC	CERTIFICATE OF CORRECTION	
US10160814 BB	20370104	PEXP		Calculated Patent Term Expiry	
US2013224173 AA	20130829	LSPB	+	published / reissued	
US2013224173 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013224173 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013224173 AA	20150603	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015353915 AA	20151210	LSPB	+	published / reissued	
US2015353915 AA	20170201	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017240650 AA	20170824	LSPB	+	published / reissued	
US2017240650 AA	20170920	LSES	NFA1	Non Final Action Mailed	
US2017240650 AA	20180711	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2017240650 AA	20180712	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017240650 AA	20181205	LSGT	PAT1	Patented Case	
US2017240650 AA	20181205	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9062301 BB	20150623	LSGT	+	granted / extensions (spc, cpc, pte)	
US9062301 BB	20150603	LSGT	PAT1	Patented Case	
US9062301 BB	20181224	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9062301 BB	20310709	PEXP		Calculated Patent Term Expiry (PTA 66 days)	
US9574187 BB	20170221	LSGT	+	granted / extensions (spc, cpc, pte)	
US9574187 BB	20150831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE;

					REEL/FRAME:036461/0848 EFFECTIVE DATE : 20121221
US9574187 BB	20150831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:036461/0863
US9574187 BB	20150929	LSES	NFA1	Non Final Action Mailed	
US9574187 BB	20170201	LSGT	PAT1	Patented Case	
US9574187 BB	20350414	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11140266 A2	20111110	LSPB	+	published / reissued	
WO11140266 A2	20110504	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031549.1 COUNTRY OF REF DOCUMENT : CN
WO11140266 A3	20121019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013509237 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140266 A3	20121101	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2798301 COUNTRY OF REF DOCUMENT : CA
WO11140266 A3	20121105	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11140266 A3	20121121	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011778296 COUNTRY OF REF DOCUMENT : EP
WO11140266 A3	20121127	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10002/CHENP/2012 COUNTRY OF REF DOCUMENT : IN
WO11140266 A3	20121213	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011248100 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110504 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140266 A3	20130509	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13696048 COUNTRY OF REF DOCUMENT : US

15) Family number: 49918098 (US2013230507A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF P38 MULTI-TRNA SYNTHETASE COMPLEX

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:

International (IPC 8-9): A61K31/713 A61K38/00 A61K38/17 A61K38/43 A61K38/53 A61K39/395 A61K47/48 A61K48/00 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P7/00 A61P9/00 C07H21/00 C07K1/00 C07K14/00 C07K14/525 C07K16/40 C07K19/00 C12M1/00 C12M3/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/115 C12N15/52 C12N5/00 C12N5/071 C12N5/10 C12N9/00 C12N9/12 C12N9/50 C12N9/88 C12N9/96 C12P21/02 C12Q1/00 C12Q1/02 C12Q1/04 C12Q1/25 C12Q1/68 G01N33/53 G01N33/573 G01N33/68 G01N37/00 (Advanced/Invention)

CPC: C12N9/96 G01N33/68 C12N5/0602 A61K38/53 G01N33/573 G01N2333/9015 C07K2317/92 C07K2317/24 C07K2317/622 C07K16/40 C12N9/93 C12Y601/01

European: A61K38/53 C12N9/93

US: 1/1 424/135.1 424/94.5 435/183 435/188 435/325 435/375 435/7.21 435/7.4 514/18.2 514/19.3 514/21.2 514/6.9 530/350 530/387.9 536/23.2

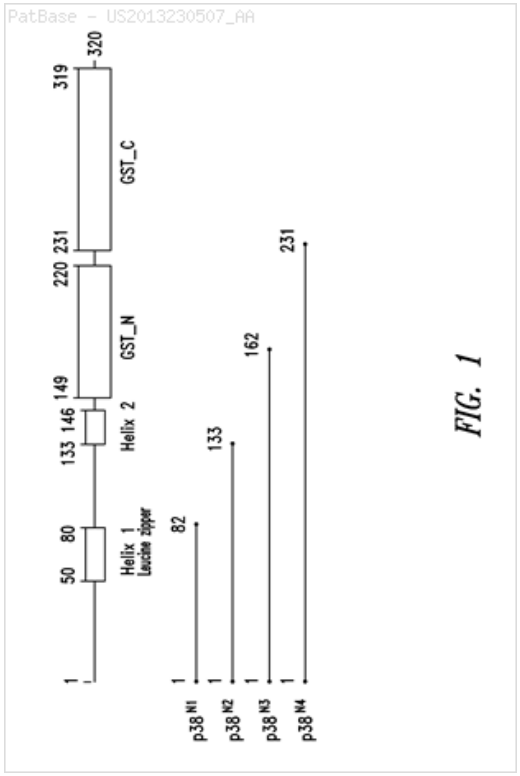


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU2011248101 AA	20111110	AU20110248101	20110504
AU2011248101 BB	20161020	AU20110248101	20110504
CA2798139 AA	20121101	CA20112798139	20110504
CN102985103 A	20130320	CN201180031231	20110504
DE602011034703 D1	20170309	DE201160034703T	20110504
EP2566499 A2	20130313	EP20110778297	20110504
EP2566499 A4	20140806	EP20110778297	20110504
EP2566499 B1	20170125	EP20110778297	20110504
IN10001CN2012 A	20141219	IN2012CN10001	20121127
JP2013530938 T2	20130801	JP20130509238T	20110504
JP2016014062 A2	20160128	JP20150198431	20151006
JP6008844 B2	20161019	JP20130509238T	20110504
US2013230507 AA	20130905	US20110696049	20110504
US2015361413 AA	20151217	US20150689925	20150417
US2017051076 AA	20170223	US20160195772	20160628
US9062302 BB	20150623	US20110696049	20110504
US9404104 BB	20160802	US20150689925	20150417
WO11140267 A2	20111110	WO2011US35251	20110504
WO11140267 A3	20120329	WO2011US35251	20110504

Priority:

US20100331063P 20100504 US20100331065P 20100504 US20100331066P 20100504
EP20110778297 20110504 JP20130509238T 20110504 US20110696049 20110504
WO2011US35251 20110504 US20130696049 20130507 US20150689925 20150417
US20160195772 20160628

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): CHIANG KYLE P ; GREENE LESLIE ANN ; MENDLEIN JOHN D ; WATKINS JEFFRY D ; QUINN CHERYL L ; VASSEROT ALAIN P ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY DEAN ; ATYR PHARMA INC

Assignee(s): ATYR PHARMA INC SAN DIEGO ; PANGU BIOPHARMA LTD

Inventor(s): (std): MENDLEIN JOHN D ; GREENE LESLIE ANN ; WATKINS JEFFRY D ; QUINN CHERYL L ; CHIANG KYLE P ; VASSEROT ALAIN P ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY DEAN ; JEFFRY D WATKINS ; ALAIN P VASSEROT ; LESLLE ANN GREENE ; JOHN D MENDLEIN ; CHERYL L QUINN ; KYLE P CHIANG

Inventor(s): CHIANG KYLE P CARDIFF

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2011248101 AA	20111110	LSPB	+	published / reissued	
AU2011248101 AA	20170216	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011248101 BB	20161020	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248101 BB	20310504	PEXP		Calculated Patent Term Expiry	
CA2798139 AA	20121101	LSPB	+	published / reissued	
CA2798139 AA	20160422	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160413
CN102985103 A	20130320	LSPB	+	published / reissued	
CN102985103 A	20130320	LSPB	+C06	PUBLICATION	
CN102985103 A	20171107	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
EP2566499 A2	20130313	LSPB	+	published / reissued	
EP2566499 A2	20130313	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121121
EP2566499 A4	20140806	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140707
EP2566499 A4	20140806	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 29/00 20060101ALI20140701BHEP
EP2566499 A4	20140806	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 3/10 20060101ALI20140701BHEP
EP2566499 A4	20140806	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 14/525 20060101ALI20140701BHEP
EP2566499 A4	20140806	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/17 20060101AFI20140701BHEP
EP2566499 A4	20140806	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20140701BHEP
EP2566499 A4	20140806	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALI20140701BHEP
EP2566499 A4	20151021	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150916
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/68 20060101ALI20160708BHEP

				BEFORE GRANT	
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 16/40 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 5/071 20100101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 5/00 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/53 20060101AFI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/573 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 29/00 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/00 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 3/10 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/96 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 14/525 20060101ALI20160708BHEP
EP2566499 A4	20160817	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20160708BHEP
EP2566499 A4	20160914	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160819
EP2566499 B1	20170125	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2566499 B1	20170125	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2566499 B1	20170131	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2566499 B1	20170215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 863733 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170215
EP2566499 B1	20170222	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2566499 B1	20170309	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011034703 COUNTRY OF REF DOCUMENT : DE
EP2566499 B1	20170522	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7

EP2566499 B1	20170525	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2566499 B1	20170615	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 863733 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170125
EP2566499 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170425
EP2566499 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170525
EP2566499 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170426
EP2566499 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 7
EP2566499 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 7
EP2566499 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 7
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	LAPSED DATE : 20170531
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170525
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170425
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171026	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011034703 COUNTRY OF REF DOCUMENT : DE
EP2566499 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125

EP2566499 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20171229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2566499 B1	20180103	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20171026
EP2566499 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20180221	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2566499 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170125
EP2566499 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566499 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566499 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170504

EP2566499 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170504
EP2566499 B1	20180525	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2566499 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8
EP2566499 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2566499 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180525 YEAR OF FEE PAYMENT : 8
EP2566499 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170504
EP2566499 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 8
EP2566499 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20110504
EP2566499 B1	20310504	PEXP		Calculated Patent Term Expiry	
IN10001CN2012 A	20141219	LSPB	+	published / reissued	
JP2013530938 T2	20130801	LSPB	+	published / reissued	
JP2013530938 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013530938 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013530938 T2	20150610	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150609
JP2013530938 T2	20151006	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151006
JP2013530938 T2	20151023	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20151006
JP2013530938 T2	20160229	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160226

JP2013530938 T2	20160622	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160622
JP2013530938 T2	20160701	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160630
JP2013530938 T2	20160817	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013530938 T2	20160819	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160819
JP2013530938 T2	20160923	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160913
JP2013530938 T2	20160923	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6008844 COUNTRY OF REF DOCUMENT : JP
JP2016014062 A2	20160128	LSPB	+	published / reissued	
JP2016014062 A2	20160825	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160825
JP2016014062 A2	20161125	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20161125
JP6008844 B2	20161019	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6008844 B2	20160825	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6008844 B2	20160920	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6008844 B2	20160923	LSGT	+R150	特許証 (Patent certificate)	
JP6008844 B2	20310504	PEXP		Calculated Patent Term Expiry	
US2013230507 AA	20130905	LSPB	+	published / reissued	
US2013230507 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0719 EFFECTIVE DATE : 20130712
US2013230507 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013230507 AA	20150603	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015361413 AA	20151217	LSPB	+	published / reissued	
US2015361413 AA	20160713	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017051076 AA	20170223	LSPB	+	published / reissued	

US2017051076 AA	20161109	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., WASHINGTON OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:040581/0550
US2017051076 AA	20180402	LSES	NFA1	Non Final Action Mailed	
US2017051076 AA	20181010	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US9062302 BB	20150623	LSGT	+	granted / extensions (spc, cpc, pte)	
US9062302 BB	20110519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; VASSEROT, ALAIN P.; AND OTHERS; SIGNING DATES FROM 20110511 TO 20110516; REEL/FRAME:026312/0325
US9062302 BB	20150603	LSGT	PAT1	Patented Case	
US9062302 BB	20181224	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9062302 BB	20311216	PEXP		Calculated Patent Term Expiry (PTA 226 days)	
US9404104 BB	20160802	LSGT	+	granted / extensions (spc, cpc, pte)	
US9404104 BB	20150827	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:036439/0217
US9404104 BB	20160713	LSGT	PAT1	Patented Case	
US9404104 BB	20350417	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11140267 A2	20111110	LSPB	+	published / reissued	
WO11140267 A2	20110504	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031231.3 COUNTRY OF REF DOCUMENT : CN
WO11140267 A3	20121019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013509238 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11140267 A3	20121101	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2798139 COUNTRY OF REF DOCUMENT : CA
WO11140267 A3	20121105	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11140267 A3	20121121	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011778297 COUNTRY OF REF DOCUMENT : EP
WO11140267 A3	20121127	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10001/CHENP/2012 COUNTRY OF REF DOCUMENT : IN

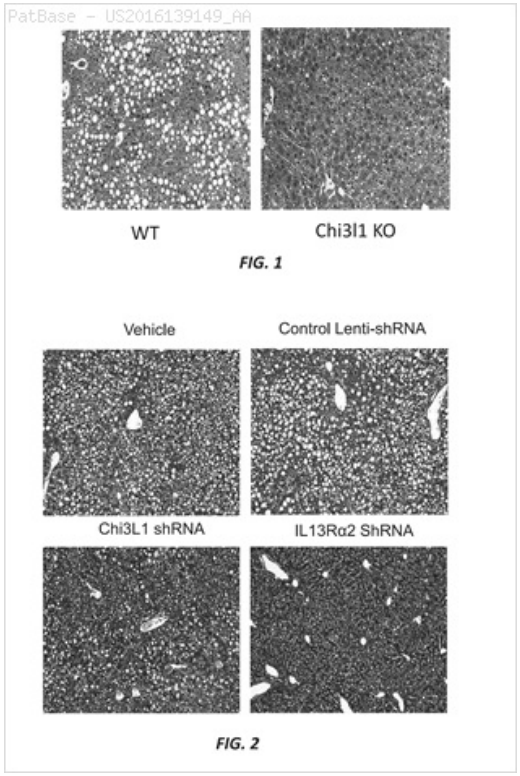
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WO11140267 A3	20130507	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13696049 COUNTRY OF REF DOCUMENT : US

16) Family number: 62401102 (US2016139149A)

Title: CHI3L1 FOR THE DETECTION AND TREATMENT OF NONALCOHOLIC STEATOHEPATITIS

Abstract: Disclosed herein are compositions and methods for detecting nonalcoholic steatohepatitis (NASH) measuring CHI3L1 levels. In some embodiments, the methods described herein can distinguish NASH from nonalcoholic fatty liver disease. CHI3L1 levels can also be used to monitor treatment progress in patients having NASH. Also disclosed herein are compositions and methods for treating NASH by targeting CHI3L1.

Classifications:
International (IPC 8-9): C12N15/113 C12Q1/68 G01N33/68 (Advanced/Invention)
CPC: G01N33/6893 C12N15/1138 C12Q1/6883 C12Q2600/158 G01N2333/4703 G01N2800/085 G01N2800/052 C12N15/1136 C12N2330/50
US: 435/6.11 435/6.12 435/7.92 435/7.93 436/501 506/2 506/9 514/44A



Family:

Publication number	Publication date	Application number	Application date
US2016139149 AA	20160519	US20150945759	20151119

Priority:

US20140081913P 20141119 US20150945759 20151119

Probable Assignee: RHODE ISLAND HOSPITAL

Assignee(s): (std): RHODE ISLAND HOSPITAL ; UNIV BROWN ; UNIV YALE

Assignee(s): YALE UNIV ; BROWN UNIV ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s): (std): PROMRAT KITTICHAI ; ELIAS JACK A ; WANDS JACK R ; LEE CHUN GEUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2016139149 AA	20160519	LSPB	+	published / reissued	
US2016139149 AA	20160526	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BROWN UNIVERSITY, RHODE ISLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ELIAS, JACK A.; LEE, CHUN GEUN; REEL/FRAME:038727/0016 EFFECTIVE DATE : 20151009
US2016139149 AA	20160526	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RHODE ISLAND HOSPITAL, RHODE ISLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PROMRAT, KITTICHAI; WANDS, JACK R.; SIGNING DATES FROM 20151002 TO 20160421; REEL/FRAME:038727/0087

US2016139149 AA	20160613	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL INSTITUTES OF HEALTH (NIH), U.S. DEPT. OF OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:BROWN UNIVERSITY; REEL/FRAME:038967/0414 EFFECTIVE DATE : 20151218
US2016139149 AA	20160614	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BROWN UNIVERSITY, RHODE ISLAND OLDPARTY : CORRECTIVE ASSIGNMENT TO ADD THE SECOND ASSIGNEE PREVIOUSLY RECORDED AT REEL: 038727 FRAME: 0016. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:ELIAS, JACK A.; LEE, CHUN GEUN; REEL/FRAME:038990/0878 EFFECTIVE DATE : 20151009
US2016139149 AA	20160614	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : YALE UNIVERSITY, CONNECTICUT OLDPARTY : CORRECTIVE ASSIGNMENT TO ADD THE SECOND ASSIGNEE PREVIOUSLY RECORDED AT REEL: 038727 FRAME: 0016. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:ELIAS, JACK A.; LEE, CHUN GEUN; REEL/FRAME:038990/0878 EFFECTIVE DATE : 20151009
US2016139149 AA	20170417	LSES	NFA1	Non Final Action Mailed	
US2016139149 AA	20170821	LSES	NFA1	Non Final Action Mailed	
US2016139149 AA	20181011	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

17) Family number: 50642111 (US2013224174A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF GLYCYL-TRNA SYNTHETASES

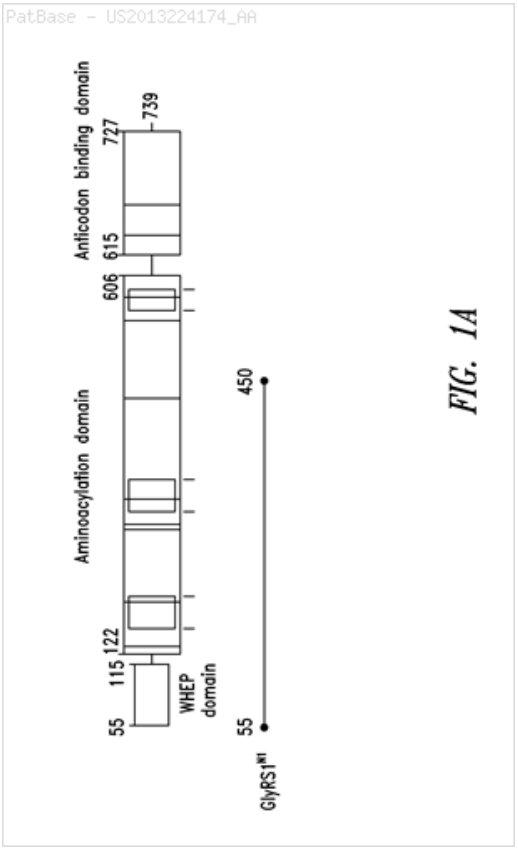
Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:

International (IPC 8-9): A61K31/7088 A61K31/7105 A61K31/713 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/43 A61K38/53 A61K39/39 A61K39/395 A61K45/00 A61K47/34 A61K47/48 A61K47/50 A61K48/00 A61K49/00 A61K51/00 A61P1/16 A61P21/00 A61P21/04 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P37/04 A61P37/06 A61P43/00 A61P5/00 A61P7/00 A61P9/00 C07H21/00 C07K14/195 C07K14/245 C07K14/705 C07K16/40 C07K16/46 C07K19/00 C12M1/00 C12M1/40 C12M3/00 C12N1/15 C12N1/19 C12N1/21 C12N15/01 C12N15/09 C12N15/113 C12N15/115 C12N15/13 C12N15/52 C12N5/071 C12N5/10 C12N9/00 C12N9/96 C12Q1/02 C12Q1/25 C12Q1/37 C12Q1/68 G01N27/62 G01N33/15 G01N33/483 G01N33/50 G01N33/53 G01N33/573 G01N33/68 G01N37/00 (Advanced/Invention)

CPC: C12N9/93 G01N33/68 C12N5/0602 G01N2333/9015 C12Y601/00 C07K2317/76 C07K2317/92 G01N33/573 A61K38/53 C07K16/40 C07K2317/21 C12Y601/01014 C12N9/96

US: 424/94.5 435/183 435/188 435/325 435/375 435/7.4 514/18.2 514/19.3 514/21.2 514/6.9 530/350 530/387.9



Family:

Publication number	Publication date	Application number	Application date
AU2011289831 AA	20120216	AU20110289831	20110712
AU2011289831 BB	20170209	AU20110289831	20110712
AU2011289831 CA	20170615	AU20110289831	20110712
CA2804416 AA	20130103	CA20112804416	20110712
CN103118695 A	20130522	CN201180032101	20110712
CN103118695 B	20160803	CN201180032101	20110712
DE602011042996 D1	20171214	DE201160042996T	20110712
EP2593125 A2	20130522	EP20110816759	20110712
EP2593125 A4	20140521	EP20110816759	20110712
EP2593125 B1	20171101	EP20110816759	20110712
JP2013535189 T2	20130912	JP20130519776T	20110712
JP2016032471 A2	20160310	JP20150184835	20150918
JP2017060527 A2	20170330	JP20170000049	20170104
JP6116479 B2	20170419	JP20130519776T	20110712
JP6473178 B2	20190220	JP20170000049	20170104
US2013224174 AA	20130829	US20110809754	20110712
US2016017311 AA	20160121	US20150620565	20150212
US2018163194 AA	20180614	US20170700751	20170911
US8999321 BB	20150407	US20110809754	20110712
US9796972 BB	20171024	US20150620565	20150212
US10196629 BB	20190205	US20170700751	20170911
WO12021247 A2	20120216	WO2011US43756	20110712
WO12021247 A3	20120426	WO2011US43756	20110712

Priority:

US20100363449P 20100712
US20100363456P 20100712
US20110488349P 20110520
US20110809754 20110712
US20150620565 20150212
US20170700751 20170911
US20100363357P 20100712
US20110488357P 20110520
EP20110816759 20110712
WO2011US43756 20110712
JP20150184835 20150918
US20100363461P 20100712
US20110488351P 20110520
JP20130519776T 20110712
US20130809754 20130513
JP20170000049 20170104

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): CHIANG KYLE P ; LO WING SZE ; HONG FEI ; GREENE LESLIE ANN ; MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; WATKINS JEFFRY D ; QUINN CHERYL L ; WATKINS JEFFRY DEAN ; VASSEROT ALAIN PHILIPPE ; ATYR PHARMA INC

Assignee(s): ATYR PHARMA INC SAN DIEGO ; PANGU BIOPHARMA LIMITED

Inventor(s): (std): ALAIN P VASSEROT ; CHERYL L QUINN ; CHIANG KYLE P ; GREENE LESLIE ANN ; HONG FEI ; JEFFRY D WATKINS ; JOHN D MENDLEIN ; KYLE P CHIANG ; LESLLE ANN GREENE ; LO WING SZE ; MENDLEIN JOHN D ; QUINN CHERYL L ; VASSEROT ALAIN P ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY D ; WATKINS JEFFRY DEAN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011289831 AA	20120216	LSPB	+	published / reissued	
AU2011289831 AA	20170323	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011289831 AA	20170615	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011289831 AA	20170622	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011289831 BB	20170209	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011289831 BB	20310712	PEXP		Calculated Patent Term Expiry	
CA2804416 AA	20130103	LSPB	+	published / reissued	
CA2804416 AA	20160621	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160613
CN103118695 A	20130522	LSPB	+	published / reissued	
CN103118695 A	20130522	LSPB	+C06	PUBLICATION	
CN103118695 B	20160803	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103118695 B	20160803	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103118695 B	20310712	PEXP		Calculated Patent Term Expiry	
EP2593125 A2	20130522	LSPB	+	published / reissued	
EP2593125 A2	20130522	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130204
EP2593125 A4	20140521	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140423
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EP2593125 B1	20171214	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011042996 COUNTRY OF REF DOCUMENT : DE
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EP2593125 B1	20180415	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 941364 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20171101
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					YEAR OF FEE PAYMENT : 8
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EP2593125 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171101
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EP2593125 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171101
EP2593125 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171101
EP2593125 B1	20181010	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180802
EP2593125 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180723 YEAR OF FEE PAYMENT : 8
EP2593125 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID	COUNTRY OF REF DOCUMENT : DE

				TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20180718 YEAR OF FEE PAYMENT : 8
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EP2593125 B1	20190228	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2593125 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180712
EP2593125 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171101
EP2593125 B1	20190417	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2593125 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180712
EP2593125 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180731
EP2593125 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180731
EP2593125 B1	20310712	PEXP		Calculated Patent Term Expiry	
JP2013535189 T2	20130912	LSPB	+	published / reissued	
JP2013535189 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013535189 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013535189 T2	20150619	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150618
JP2013535189 T2	20150918	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150918
JP2013535189 T2	20151009	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150918

JP2013535189 T2	20160129	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160128
JP2013535189 T2	20160902	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160902
JP2013535189 T2	20170104	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170104
JP2013535189 T2	20170210	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20170209
JP2013535189 T2	20170227	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013535189 T2	20170301	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170301
JP2013535189 T2	20170330	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170321
JP2013535189 T2	20170331	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6116479 COUNTRY OF REF DOCUMENT : JP
JP2016032471 A2	20160310	LSPB	+	published / reissued	
JP2016032471 A2	20160530	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160530
JP2016032471 A2	20161226	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20161226
JP2017060527 A2	20170330	LSPB	+	published / reissued	
JP2017060527 A2	20170104	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170104
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JP2017060527 A2	20171128	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20171128
JP2017060527 A2	20180328	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20180328
JP2017060527 A2	20180830	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20180830
JP2017060527 A2	20181225	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2017060527 A2	20181228	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20181228
JP2017060527 A2	20190131	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20190124

				PROCEDURE)	
JP2017060527 A2	20190201	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6473178 COUNTRY OF REF DOCUMENT : JP
JP6116479 B2	20170419	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6116479 B2	20170309	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6116479 B2	20170328	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6116479 B2	20170331	LSGT	+R150	特許証 (Patent certificate)	
JP6116479 B2	20310712	PEXP		Calculated Patent Term Expiry	
JP6473178 B2	20190220	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6473178 B2	20190110	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6473178 B2	20190129	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6473178 B2	20190201	LSGT	+R150	特許証 (Patent certificate)	
JP6473178 B2	20370104	PEXP		Calculated Patent Term Expiry	
US10196629 BB	20190205	LSGT	+	granted / extensions (spc, cpc, pte)	
US10196629 BB	20170911	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10196629 BB	20171101	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10196629 BB	20190116	LSGT	PAT1	Patented Case	
US10196629 BB	20370911	PEXP		Calculated Patent Term Expiry	
US2013224174 AA	20130829	LSPB	+	published / reissued	
US2013224174 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0745 EFFECTIVE DATE : 20130418
US2013224174 AA	20141209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:034438/0631
US2013224174 AA	20150318	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016017311 AA	20160121	LSPB	+	published / reissued	
US2016017311 AA	20170126	LSES	NFA1	Non Final Action Mailed	
US2016017311 AA	20170626	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	

US2016017311 AA	20170912	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016017311 AA	20171004	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018163194 AA	20180614	LSPB	+	published / reissued	
US2018163194 AA	20181113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:047486/0970 EFFECTIVE DATE : 20130418
US2018163194 AA	20181113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:047509/0985
US2018163194 AA	20190116	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8999321 BB	20150407	LSGT	+	granted / extensions (spc, cpc, pte)	
US8999321 BB	20150318	LSGT	PAT1	Patented Case	
US8999321 BB	20310814	PEXP		Calculated Patent Term Expiry (PTA 33 days)	
US9796972 BB	20171024	LSGT	+	granted / extensions (spc, cpc, pte)	
US9796972 BB	20150727	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:036184/0242 EFFECTIVE DATE : 20130418
US9796972 BB	20150727	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:036184/0268
US9796972 BB	20171004	LSGT	PAT1	Patented Case	
US9796972 BB	20350903	PEXP		Calculated Patent Term Expiry (PTA 203 days)	
WO12021247 A2	20120216	LSPB	+	published / reissued	
WO12021247 A2	20110712	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180032101.1 COUNTRY OF REF DOCUMENT : CN
WO12021247 A3	20121227	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013519776 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12021247 A3	20130103	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2804416 COUNTRY OF REF DOCUMENT : CA
WO12021247 A3	20130114	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

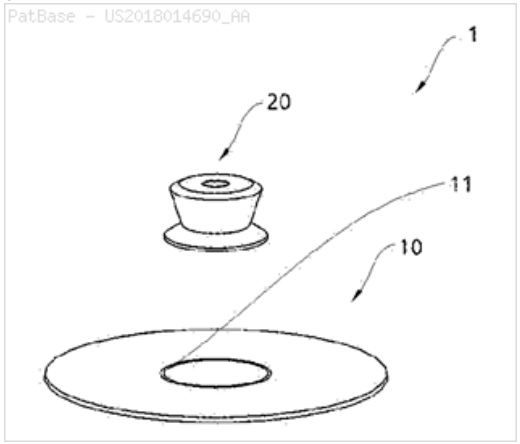
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WO12021247 A3	20130513	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13809754 COUNTRY OF REF DOCUMENT : US

18) Family number: 60593113 (US2018014690A)

Title: OUTDOOR COOKWARE LID COMPRISING SUCTION HANDLE

Abstract: The present invention relates to an outdoor cookware lid including a suction handle, and more particularly, to an outdoor cookware lid including a suction handle that is easily attachable using a suction plate and easily detachable to reduce the volume of the outdoor cookware lid when carrying the outdoor cookware lid.

Classifications:
International (IPC 8-9): A45F3/16 A47J27/00 A47J36/06 A47J45/07 F16B47/00 (Advanced/Invention)
CPC: A47J45/074 A47J36/06 F16B47/00 A47J45/07
US: 220/212.5



Family:

Publication number	Publication date	Application number	Application date
AU2015337405 AA	20170518	AU20150337405	20151016
AU2015337405 BB	20180510	AU20150337405	20151016
CA2964075 AA	20170407	CA20152964075	20151016
CA2964075 C	20180220	CA20152964075	20151016
CN107105935 A	20170829	CN201580055099	20151016
DE602015015287 D1	20180920	DE201560015287T	20151016
EP3213663 A1	20170906	EP20150855585	20151016
EP3213663 A4	20171129	EP20150855585	20151016
EP3213663 B1	20180822	EP20150855585	20151016
JP2017536153 T2	20171207	JP20170520970T	20151016
JP6469858 B2	20190213	JP20170520970T	20151016
KR101561071 B1	20151016	KR20140146519	20141027
US2018014690 AA	20180118	US20150516745	20151016
WO16068530 A1	20160506	WO2015KR10940	20151016

Priority:
KR20140146519 20141027 EP20150855585 20151016 WO2015KR10940 20151016

Probable Assignee: POKETDREAM INC
Assignee(s): (std): POKETDREAM INC
Assignee(s): LTD POCKET DREAM ; OH KUEN SIK
Inventor(s): (std): OH KUEN SIK
Agent(s): FB RICE; FB RICE PTY LTD; GARDINER ROBERTS LLP; ZARDI MARCO; PARK SO HYUN
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2015337405 AA	20170518	LSPB	+	published / reissued	
AU2015337405 BB	20180510	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2015337405 BB	20180906	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2015337405 BB	20351016	PEXP		Calculated Patent Term Expiry	
CA2964075 AA	20170407	LSPB	+	published / reissued	
CA2964075 AA	20170922	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20170407

CA2964075 C	20180220	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2964075 C	20351016	PEXP		Calculated Patent Term Expiry	
CN107105935 A	20170829	LSPB	+	published / reissued	
CN107105935 A	20170829	LSPB	PB01	PUBLICATION	
EP3213663 A1	20170906	LSPB	+	published / reissued	
EP3213663 A1	20170906	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170428
EP3213663 A4	20171129	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20171102
EP3213663 A4	20171129	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F16B 47/00 20060101ALI20171025BHEP
EP3213663 A4	20171129	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 45/07 20060101ALI20171025BHEP
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EP3213663 A4	20180404	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 36/06 20060101AFI20180226BHEP
EP3213663 A4	20180404	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F16B 47/00 20060101ALI20180226BHEP
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EP3213663 A4	20180509	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180413
EP3213663 B1	20180822	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3213663 B1	20180822	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP3213663 B1	20180831	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP3213663 B1	20180915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1031476 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180915
EP3213663 B1	20180919	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP3213663 B1	20180920	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602015015287 COUNTRY OF REF DOCUMENT : DE
EP3213663 B1	20181029	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 4
EP3213663 B1	20190110	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180822
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181123
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181122
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180822
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181222
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181122
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180822
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180822
EP3213663 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180822
EP3213663 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20181025 YEAR OF FEE PAYMENT : 4
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JP2017536153 T2	20180515	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20180515
JP2017536153 T2	20180814	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20180814
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JP2017536153 T2	20181218	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20181218
JP2017536153 T2	20190124	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20190116
JP2017536153 T2	20190125	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6469858 COUNTRY OF REF DOCUMENT : JP

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JP6469858 B2	20181220	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6469858 B2	20190122	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6469858 B2	20190125	LSGT	+R150	特許証 (Patent certificate)	
JP6469858 B2	20351016	PEXP		Calculated Patent Term Expiry	
KR101561071 B1	20151016	LSGT	+	granted / extensions (spc, cpc, pte)	
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KR101561071 B1	20151012	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101561071 B1	20181004	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20181004 YEAR OF FEE PAYMENT : 4
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US2018014690 AA	20170404	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : POKETDREAM INC., KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:OH, KUEN SIK; REEL/FRAME:042152/0442 EFFECTIVE DATE : 20170324
US2018014690 AA	20180307	LSES	NFA1	Non Final Action Mailed	
US2018014690 AA	20190621	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
WO16068530 A1	20160506	LSPB	+	published / reissued	
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WO16068530 A1	20170918	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15516745 COUNTRY OF REF DOCUMENT : US

19) Family number: 50642123 (US2013202576A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF HISTIDYL-TRNA SYNTHETASES

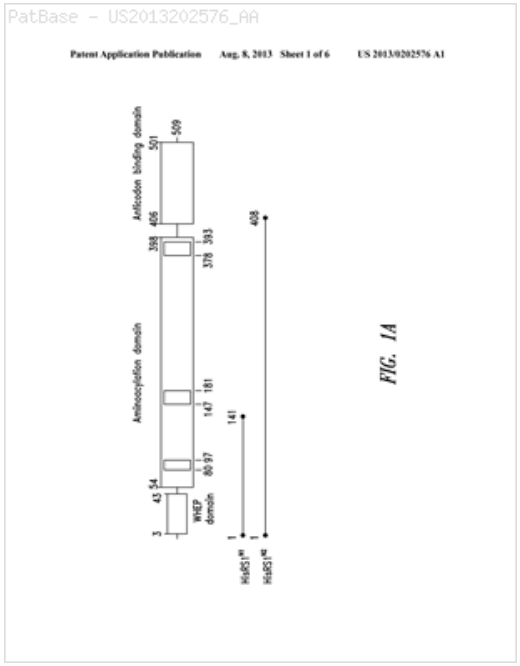
Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:

International (IPC 8-9): A61K A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/17 A61K38/53 A61K39/39 A61K39/395 A61K45/00 A61K47/34 A61K47/48 A61K47/60 A61K48/00 A61P A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/00 A61P37/02 A61P7/00 A61P9/00 A61P9/10 C07H21/00 C07K14/47 C07K16/18 C07K16/40 C07K19/00 C12M1/00 C12M1/40 C12N C12N15/09 C12N15/113 C12N15/115 C12N15/52 C12N5/071 C12N5/10 C12N9/00 C12N9/10 C12N9/22 C12N9/96 C12P21/02 C12P21/06 C12Q1/02 C12Q1/06 C12Q1/25 C12Q1/68 G01N G01N27/62 G01N33/15 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N33/573 G01N33/574 G01N33/68 (Advanced/Invention);
A61K38/00 A61K38/53 C12M1/00 (Advanced/Non-invention)

CPC: C12Q1/25 C12N5/0602 G01N33/68 C12N9/93 C07K16/40 C12N9/96 C12Y601/01021 A61K38/53 A61K38/00 C12Y601/01 G01N33/573 C07K2317/24 C07K2317/92 C07K2319/00 G01N2333/9015

US: 1/1 424/450 424/94.5 435/183 435/188 435/325 435/375 435/7.4 514/18.2 514/19.3 514/21.2 514/6.9 530/350 530/387.9



Family:

Publication number	Publication date	Application number	Application date
AU2011289833 AA	20120216	AU20110289833	20110712
AU2011289833 BB	20170202	AU20110289833	20110712
AU2011289833 CA	20170615	AU20110289833	20110712
CA2804424 AA	20130103	CA20112804424	20110712
CN103108649 A	20130515	CN201180032071	20110712
CN103108649 B	20161012	CN201180032071	20110712
DE602011041783 D1	20171102	DE201160041783T	20110712
EA030418 B1	20180831	EA20130090095	20110712
EA201390095 A1	20130628	EA20130090095	20110712
EP2593126 A2	20130522	EP20110816760	20110712
EP2593126 A4	20140806	EP20110816760	20110712
EP2593126 B1	20170920	EP20110816760	20110712
ES2653718 T3	20180208	ES20110816760T	20110712
HK1182641 A1	20131206	HK20130110106	20130829
HK1182641 B	20180601	HK20130110106	20130829
JP2013533750 T2	20130829	JP20130519777T	20110712
JP2015227379 A2	20151217	JP20150176258	20150908
JP2017201993 A2	20171116	JP20170162237	20170825
JP6177129 B2	20170809	JP20130519777T	20110712
KR20130102534 A	20130917	KR20137003454	20110712
KR20180059953 A	20180605	KR20187014755	20110712
NZ603813 A	20150327	NZ20110603813	20110712
US2013202576 AA	20130808	US20110809757	20110712
US2015344866 AA	20151203	US20150675343	20150331
US2017029800 AA	20170202	US20160179715	20160610
US2017321206 AA	20171109	US20170459875	20170315
US9422539 BB	20160823	US20150675343	20150331
US9637730 BB	20170502	US20160179715	20160610
US10196628 BB	20190205	US20170459875	20170315
WO12021249 A2	20120216	WO2011US43758	20110712
WO12021249 A3	20120426	WO2011US43758	20110712

Priority:

US20100363581P 20100712
EP20110816760 20110712
WO2011US43758 20110712
US20150675343 20150331
US20170459875 20170315
US20100363587P 20100712
JP20130519777T 20110712
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JP20150176258 20150908
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US20100363585P 20100712
JP20150176258 20110712
US20130809757 20130429
US20160179715 20160610

Probable Assignee: PANGU BIOPHARMA LTD

Assignee(s): (std): MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; LO WING SZE ; HONG FEI ; QUINN CHERYL L ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY D ; WATKINS JEFFRY DEAN ; ATYR PHARMA INC ; CHIANG KYLE P ; GREENE LESLIE ANN

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Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; VALLEJO JUAN PEDRO; DEACONS; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011289833 AA	20120216	LSPB	+	published / reissued	
AU2011289833 AA	20170323	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011289833 AA	20170615	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011289833 AA	20170622	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
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AU2011289833 BB	20310712	PEXP		Calculated Patent Term Expiry	
CA2804424 AA	20130103	LSPB	+	published / reissued	
CA2804424 AA	20160621	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160613
CN103108649 A	20130515	LSPB	+	published / reissued	
CN103108649 A	20130515	LSPB	+C06	PUBLICATION	
CN103108649 B	20161012	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103108649 B	20161012	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
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EA030418 B1	20180831	LSGT	+	granted / extensions (spc, cpc, pte)	
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EA201390095 A1	20130628	LSPB	+	published / reissued	
EP2593126 A2	20130522	LSPB	+	published / reissued	
EP2593126 A2	20130522	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121213
EP2593126 A4	20140806	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND	EFFECTIVE DATE : 20140707

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EP2593126 A4	20170329	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170301
EP2593126 B1	20170920	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP2593126 B1	20170929	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2593126 B1	20171015	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 929630 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20171015
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EP2593126 B1	20171102	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011041783 COUNTRY OF REF DOCUMENT : DE
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EP2593126 B1	20180208	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2653718 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20180208
EP2593126 B1	20180212	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2593126 B1	20180215	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 929630 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170920
EP2593126 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171221
EP2593126 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171220
EP2593126 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180120
EP2593126 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180601	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1182641 COUNTRY OF REF DOCUMENT : HK
EP2593126 B1	20180621	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011041783 COUNTRY OF REF DOCUMENT : DE
EP2593126 B1	20180726	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2593126 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				FROM NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20180829	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180621
EP2593126 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180801 YEAR OF FEE PAYMENT : 8
EP2593126 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180726 YEAR OF FEE PAYMENT : 8
EP2593126 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180719 YEAR OF FEE PAYMENT : 8
EP2593126 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180727 YEAR OF FEE PAYMENT : 8
EP2593126 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180727 YEAR OF FEE PAYMENT : 8
EP2593126 B1	20190228	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2593126 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180712
EP2593126 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170920
EP2593126 B1	20190417	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2593126 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180731
EP2593126 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180731
EP2593126 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180712
EP2593126 B1	20310712	PEXP		Calculated Patent Term Expiry	

ES2653718 T3	20180208	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2653718 T3	20310712	PEXP		Calculated Patent Term Expiry	
HK1182641 A1	20131206	LSPB	+	published / reissued	
HK1182641 B	20180601	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1182641 B	20330829	PEXP		Calculated Patent Term Expiry	
JP2013533750 T2	20130829	LSPB	+	published / reissued	
JP2013533750 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013533750 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013533750 T2	20150511	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150508
JP2013533750 T2	20150908	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150908
JP2013533750 T2	20150929	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150908
JP2013533750 T2	20160204	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160203
JP2013533750 T2	20160602	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160602
JP2013533750 T2	20160610	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160609
JP2013533750 T2	20160829	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A912 EFFECTIVE DATE : 20160826
JP2013533750 T2	20170417	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170417
JP2013533750 T2	20170720	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170711
JP2013533750 T2	20170721	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6177129 COUNTRY OF REF DOCUMENT : JP
JP2015227379 A2	20151217	LSPB	+	published / reissued	
JP2015227379 A2	20150910	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20150908
JP2015227379 A2	20160602	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160602
JP2015227379 A2	20170427	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20170427

JP2015227379 A2	20170825	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170825
JP2015227379 A2	20170904	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20170901
JP2015227379 A2	20171002	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A912 EFFECTIVE DATE : 20170929
JP2015227379 A2	20171005	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20171005
JP2017201993 A2	20171116	LSPB	+	published / reissued	
JP2017201993 A2	20170825	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170825
JP2017201993 A2	20180704	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20180704
JP2017201993 A2	20181012	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20181012
JP2017201993 A2	20190329	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20190329
JP6177129 B2	20170809	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6177129 B2	20170622	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6177129 B2	20170718	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6177129 B2	20170721	LSGT	+R150	特許証 (Patent certificate)	
JP6177129 B2	20310712	PEXP		Calculated Patent Term Expiry	
KR20130102534 A	20130917	LSPB	+	published / reissued	
KR20130102534 A	20160711	LSRE	AMND	AMENDMENT	
KR20130102534 A	20170820	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20130102534 A	20171020	LSRE	AMND	AMENDMENT	
KR20130102534 A	20180223	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR20130102534 A	20180524	LSRE	AMND	AMENDMENT	
KR20180059953 A	20180605	LSPB	+	published / reissued	
KR20180059953 A	20180622	LSRE	AMND	AMENDMENT	
KR20180059953 A	20180719	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20180059953 A	20181019	LSRE	AMND	AMENDMENT	
KR20180059953 A	20190125	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR20180059953 A	20190424	LSRE	AMND	AMENDMENT	
NZ603813 A	20150327	LSPB	+	published / reissued	
NZ603813 A	20150731	LSGT	+PSEA	PATENT SEALED	
NZ603813 A	20150828	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 JUL 2016 BY COMPUTER

					PACKAGES INC EFFECTIVE DATE : 20150818
NZ603813 A	20160624	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 JUL 2017 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20160618
NZ603813 A	20170630	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 JUL 2018 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20170620
NZ603813 A	20180629	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 JUL 2019 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20180619
NZ603813 A	20190628	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 JUL 2020 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20190618
US10196628 BB	20190205	LSGT	+	granted / extensions (spc, cpc, pte)	
US10196628 BB	20170726	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:043341/0251
US10196628 BB	20170726	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:043341/0263 EFFECTIVE DATE : 20130418
US10196628 BB	20190116	LSGT	PAT1	Patented Case	
US10196628 BB	20370315	PEXP		Calculated Patent Term Expiry	
US2013202576 AA	20130808	LSPB	+	published / reissued	
US2013202576 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0745 EFFECTIVE DATE : 20130418
US2013202576 AA	20150504	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2015344866 AA	20151203	LSPB	+	published / reissued	
US2015344866 AA	20160108	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:037440/0755
US2015344866 AA	20160803	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017029800 AA	20170202	LSPB	+	published / reissued	
US2017029800 AA	20170412	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2017321206 AA	20171109	LSPB	+	published / reissued	
US2017321206 AA	20171003	LSES	NFA1	Non Final Action Mailed	
US2017321206 AA	20190116	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9422539 BB	20160823	LSGT	+	granted / extensions (spc, cpc, pte)	
US9422539 BB	20151006	LSES	NFA1	Non Final Action Mailed	
US9422539 BB	20160803	LSGT	PAT1	Patented Case	
US9422539 BB	20350331	PEXP		Calculated Patent Term Expiry	
US9637730 BB	20170502	LSGT	+	granted / extensions (spc, cpc, pte)	
US9637730 BB	20161019	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:040422/0866
US9637730 BB	20161019	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:040422/0900 EFFECTIVE DATE : 20130418
US9637730 BB	20170412	LSGT	PAT1	Patented Case	
US9637730 BB	20360610	PEXP		Calculated Patent Term Expiry	
WO12021249 A2	20120216	LSPB	+	published / reissued	
WO12021249 A2	20110712	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180032071.4 COUNTRY OF REF DOCUMENT : CN
WO12021249 A3	20121213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011816760 COUNTRY OF REF DOCUMENT : EP
WO12021249 A3	20121227	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013519777 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12021249 A3	20130103	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2804424 COUNTRY OF REF DOCUMENT : CA
WO12021249 A3	20130114	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12021249 A3	20130208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20137003454 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12021249 A3	20130211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201390095 COUNTRY OF REF DOCUMENT : EA
WO12021249 A3	20130221	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011289833 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110712 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12021249 A3	20130429	LSNP	+WWE	WIPO	REF DOCUMENT NUMBER : 13809757

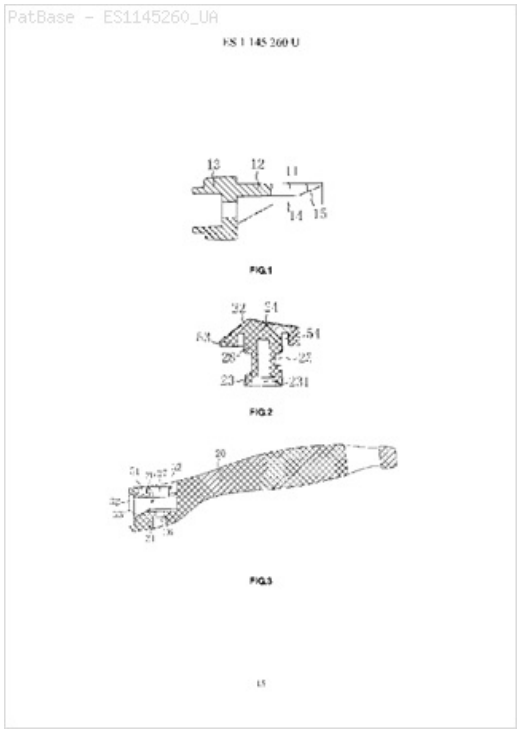
	INFORMATION: ENTRY INTO NATIONAL PHASE	COUNTRY OF REF DOCUMENT : US

20) Family number: 60649129 (ES1145260Y)

Title: MANGO DESMONTABLE

Abstract: Source: ES1145260U [ES] 1. Mango desmontable, que comprende un bloque de conexion conectado de manera fija al cuerpo de la cacerola (10) y un mango (20) conectado al bloque de conexion (10) de forma desmontable, caracterizado porque el bloque de conexion (10) esta provisto de un orificio limitante (11), y el extremo de dicho mango (20) cerca del bloque de conexion esta conectado a un boton activo de forma movil, de manera que cuando se inserta el bloque de conexion (10) en el mango (20), el boton activo (21) se puede fijar en el orificio limitante (11), de manera que el bloque de conexion (10) esta conectado con el mango (20) de modo fijo, y al presionar hacia abajo el boton activo (21), se puede separar desde el orificio limitante (11), para sacar el mango (20) del bloque de conexion (10). **Machine translation:** 1. Detachable handle, comprising a connecting block fixedly connected to the body of the pan (10) and a handle (20) connected to the connection block (10) detachably, wherein the connection block (10) is provided a limiting hole (11) and the end of said handle (20) near the connection block I is connected to an active button on a phone, so that when the connecting block (10) is inserted into the handle (20), the active button (21) can be fixed in the limiting orifice (11) so that the connecting block (10) is connected to the handle (20) fixedly and pressing down the active button (21) can be separated from the limiting orifice (11) to remove the handle (20) of the connection block (10).

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
ES1145260 UA	20151027	ES20150030578U	20150518
ES1145260 Y1	20160118	ES20150030578U	20150518

Priority:
ES20150030578U 20150518

Probable Assignee:	ZHEJIANG NOVIA IND AND TRADE CO LTD
Assignee(s): (std):	ZHEJIANG NOVIA IND AND TRADE CO LTD
Assignee(s):	ZHEJIANG NOVIA IND AND TRADE CO
Inventor(s): (std):	HU HUACHENG
Inventor(s):	HUACHENG HU
Agent(s):	DE ELZABURU ALBERTO

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
ES1145260 UA	20151027	LSPB	+	published / reissued	
ES1145260 Y1	20160118	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1145260 Y1	20160118	LSGT	+FG1K	UTILITY MODEL GRANTED	EFFECTIVE DATE : 20160112
ES1145260 Y1	20180622	LSLE	-FD1K	UTILITY MODEL LAPSED	EFFECTIVE DATE :

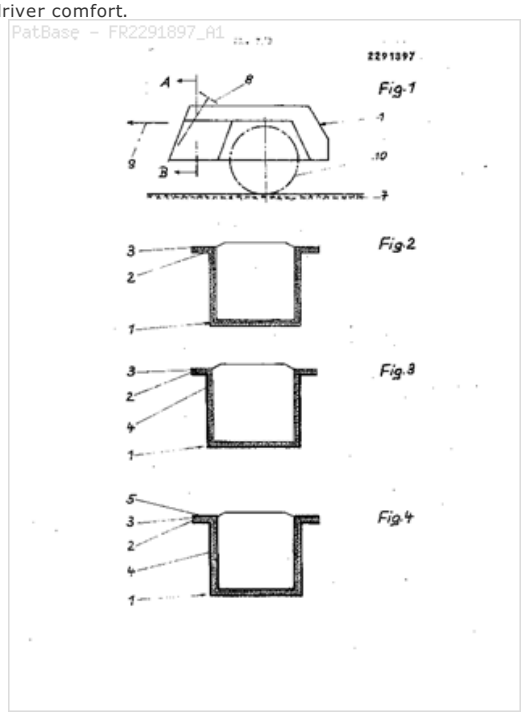
			20180622
ES1145260 Y1	20250518	PEXP	Calculated Patent Term Expiry

21) Family number: 3461144 (FR2291897A)

Title: BUCKET SEAT FOR TRACTOR - HAS SANDWICH CONSTRUCTION WITH SUPPLEMENTARY EXTERIOR COVER

Abstract: The bucket seat (1) is made of a material made up of several layers in such a way that between a rigid sheet exterior (2) and an interior covering (5) which can be walked on is a thin bed (3) of material to increase the weight, such as sand, bitumen or similar material or a special composition. The external face of the seat can have a supplementary cover (4) of sound absorbing material. This can be a synthetic sponge, and is used in situations where sound is very prevalent. Stays can be placed between the sheet (2) and the covering (5), the arrangement being for improved driver comfort.

Classifications:
International (IPC 8-9): B60R13/08 B62D33/06 (Advanced/Invention); B60R13/08 B62D33/06 (Core/Invention)
International (IPC 1-7): B60B39/00 B62D33/06 B62D49/00 G10K11/00
CPC: B60R13/0884 B62D33/0604
European: B60R13/08L B62D33/06C



Family:

Publication number	Publication date	Application number	Application date
FR2291897 A1	19760618	FR19740038552	19741125
FR2291897 B3	19770826	FR19740038552	19741125

Priority:
FR19740038552 19741125

Probable Assignee: KETTLER PAUL
Assignee(s): (std): KETTLER PAUL

Legal status (INPADOC)

View legal status timeline

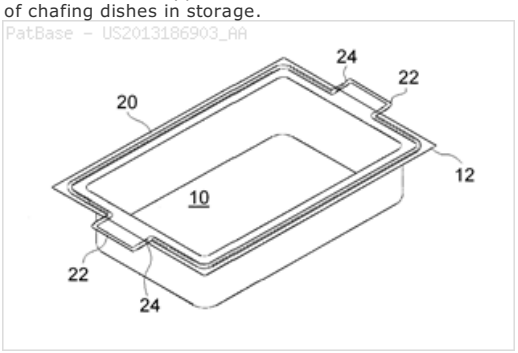
Patent	Date recorded	Event group	Code	Event	Details
FR2291897 A1	19760618	LSPB	+	published / reissued	
FR2291897 B3	19770826	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2291897 B3	19801017	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2291897 B3	19801125	PEXP		Calculated Patent Term Expiry	

22) Family number: 50475153 (US2013186903A)

Title: QUICK ATTACHING CHAFING DISH HANDLE CONFigureD FOR SAFE CHAFING DISH PLACEMENT AND REMOVAL AND FOR NESTING CHAFING DISH STORAGE

Abstract: A chafing dish with handles allows a safe, efficient, and professional-appearing exchange and serving of food, keeping the servers hands away from the outer edge of the chafing dish where hot steam rises from the water pan. The chafing dish handles of the present invention are formed as part of a closed loop frame. The frame consists of rail members that are configured to align with and to be positioned beneath the chafing dish ledge. The rail members form a rectangular, depending on the shape of the chafing dish, structure. Handle members extend from the rail members on opposed sides of the frame and extend in a manner that does not prevent the lid placement or the nesting of chafing dishes in storage.

Classifications:
International (IPC 8-9): A47J27/00 A47J27/10 A47J27/12 A47J27/16 A47J36/02 A47J36/06 A47J36/24 A47J36/34 A47J45/07 B65D21/02 B65D25/24 B65D25/28 B65D43/02 B65D55/02 (Advanced/Invention)
CPC: A47J27/002 A47J36/2405 B65D25/282 B65D43/02 B65D55/02 B65D25/24 A47J45/07
US: 206/518 220/23.87 220/485 220/573.1 220/573.3 220/573.4 220/574 220/648 220/743 220/753 220/769 294/27.1



Family:

Publication number	Publication date	Application number	Application date
CA2804660 AA	20130107	CA20112804660	20110705
CA2804660 C	20180529	CA20112804660	20110705
US2013186903 AA	20130725	US20130735846	20130107
US2015122823 AA	20150507	US20140556393	20141201
US8899438 BB	20141202	US20130735846	20130107
WO12006267 A2	20120112	WO2011US42927	20110705
WO12006267 A3	20120531	WO2011US42927	20110705

Priority:

US20100361478P 20100705 WO2011US42927 20110705 US20130735846 20130107 US20140556393 20141201

Probable Assignee: GET A GRIP CHAFING PANS LLC

Assignee(s): (std): GET A GRIP CHAFING PANS LLC ; LEONARD JOSEPH L ; LEONARD LOIS ; LEONARD LOIS V

Inventor(s): (std): LEONARD LOIS V ; LEONARD LOIS ; LEONARD JOSEPH L

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BLK LAW GROUP; KRISANNE; BLYNN L; SHIDELER BLYNN L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2804660 AA	20130107	LSPB	+	published / reissued	
CA2804660 AA	20160429	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160420
CA2804660 C	20180529	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2804660 C	20310705	PEXP		Calculated Patent Term Expiry	
US2013186903 AA	20130725	LSPB	+	published / reissued	
US2013186903 AA	20140815	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GET-A-GRIP CHAFING PANS, LLC, PENNSYLVANIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LEONARD, LOIS V; LEONARD, JOSEPH L; REEL/FRAME:033546/0195 EFFECTIVE DATE : 20140815
US2013186903 AA	20141112	LSGT	STCF	INFORMATION	TEXT : PATENTED CASE

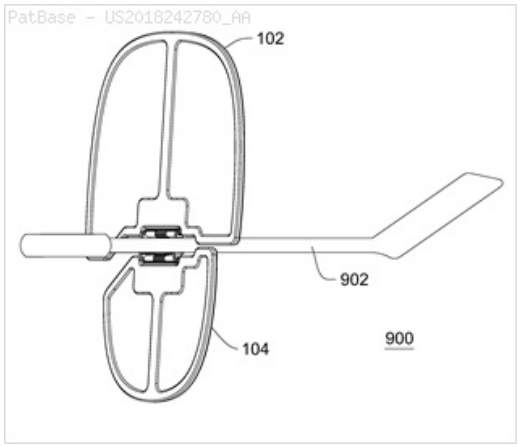
				ON STATUS: PATENT GRANT	
US2015122823 AA	20150507	LSPB	+	published / reissued	
US2015122823 AA	20150120	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GET-A-GRIP CHAFING PANS, LLC, PENNSYLVANIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LEONARD, LOIS V; LEONARD, JOSEPH L; REEL/FRAME:034756/0709 EFFECTIVE DATE : 20140815
US2015122823 AA	20150925	LSES	NFA1	Non Final Action Mailed	
US2015122823 AA	20170228	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US8899438 BB	20141202	LSGT	+	granted / extensions (spc, cpc, pte)	
US8899438 BB	20141112	LSGT	PAT1	Patented Case	
US8899438 BB	20180604	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8899438 BB	20330107	PEXP		Calculated Patent Term Expiry	
WO12006267 A2	20120112	LSPB	+	published / reissued	
WO12006267 A3	20130107	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2804660 COUNTRY OF REF DOCUMENT : CA
WO12006267 A3	20130107	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12006267 A3	20130731	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 11804245 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

23) Family number: 70935154 (US2018242780A)

Title: CHEF SHIELD

Abstract: A chef shield device including an upper clip connected a lower clip, where at least one shield is rotatably connected to a clip, and the upper and lower clips are secured to a cooking utensil. A first connector is used to connect the upper shield to the upper clip and a second connector used to connect the lower shield to the lower clip. The shield includes a frame and panel. A chef shield device including an elongated member secured to a cooking utensil, where at least one shield is secured to the elongated member. A unitary chef shield device, including a cooking utensil where at least one shield is secured to the cooking utensil.

Classifications:
International (IPC 8-9): A47J36/36 A47J43/00 A47J43/28 A47J45/06 (Advanced/Invention)
CPC: A47J36/36 A47J43/288



Family:

Publication number	Publication date	Application number	Application date
US2018242780 AA	20180830	US20180902146	20180222
WO18156839 A1	20180830	WO2018US19341	20180223

Priority:

US20170463214P 20170224 US20170513482P 20170601 US20180902146 20180222

Probable Assignee: LARMAN MARK

Assignee(s): (std)**:** LARMAN MARK

Inventor(s): (std)**:** LARMAN MARK

Agent(s): POPOWITZ GREG M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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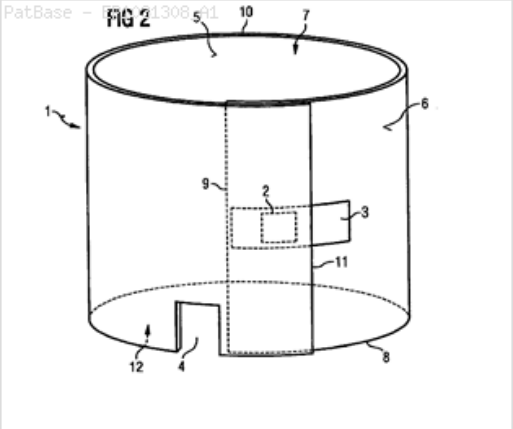
Patent	Date recorded	Event group	Code	Event	Details
US2018242780 AA	20180830	LSPB	+	published / reissued	
WO18156839 A1	20180830	LSPB	+	published / reissued	

24) Family number: 16193156 (EP1031308A1)

Title: Grease catching element for a baking pan

Abstract: A rectangular fireproof cardboard piece is shaped into a cylinder by means of an adhesive strip (1) placed at one end of the transverse sides in the middle.

Classifications:
International (IPC 8-9): A47J37/10 (Advanced/Invention); A47J37/10 (Core/Invention)
International (IPC 1-7): A47J36/38 A47J37/10
CPC: A47J37/108
European: A47J37/10D



Family:

Publication number	Publication date	Application number	Application date
DE29903266 U1	19991104	DE19992003266U	19990224
DE50000776 D1	20030102	DE20005000776	20000224
EP1031308 A1	20000830	EP20000103384	20000224
EP1031308 B1	20021120	EP20000103384	20000224

Priority:

DE19992003266U 19990224 DE20005000776 20000224

Probable Assignee: LANGER JOERG
Assignee(s): (std): LANGER JOERG ; LANGER JOERG DR
Inventor(s): (std): LANGER DR ; LANGER JOERG DR
Designated states: DE FR IT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE29903266 U1	19991104	LSGT	+	granted / extensions (spc, cpc, pte)	
DE29903266 U1	19990224	LSLI	R086	NON-BINDING DECLARATION OF LICENSING INTEREST	
DE29903266 U1	19991104	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 19991104
DE29903266 U1	20000302	LSES	R021	SEARCH REQUEST VALIDLY FILED	EFFECTIVE DATE : 19991125
DE29903266 U1	20021212	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20020829
DE29903266 U1	20090224	PEXP		Calculated Patent Term Expiry	
DE50000776 D1	20031218	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE50000776 D1	20061214	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP1031308 A1	20000830	LSPB	+	published / reissued	
EP1031308 A1	20010418	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20010219
EP1031308 A1	20010516	LSFE	+AKX	DESIGNATION FEES PAID	TEXT : DE FR IT
EP1031308 A1	20010613	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20010426
EP1031308 B1	20021120	LSGT	+	granted / extensions (spc, cpc, pte)	

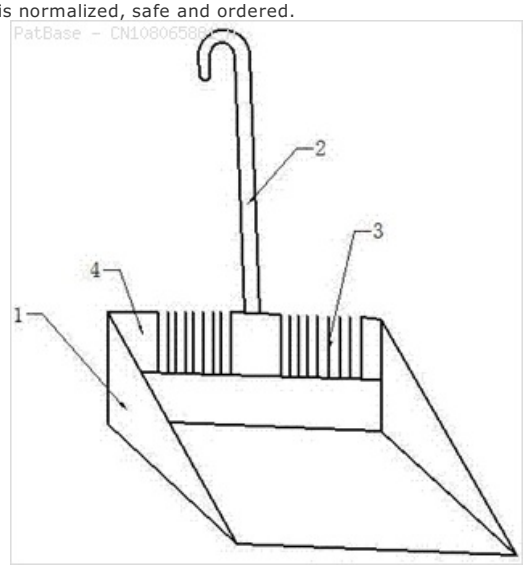
EP1031308 B1	20021120	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20021120
EP1031308 B1	20021120	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20021120
EP1031308 B1	20031112	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20030821
EP1031308 B1	20041022	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20041022 YEAR OF FEE PAYMENT : 6
EP1031308 B1	20060901	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060901
EP1031308 B1	20200224	PEXP		Calculated Patent Term Expiry	

25) Family number: 69838162 (CN108065881A)

Title: MANUFACTURING AND INSTALLATION TECHNOLOGY OF DUST PAN CAPABLE OF CLEANING BRISTLES ON BROOM

Abstract: The invention provides a manufacturing and installation technology of a dust pan capable of cleaning bristles on a broom. The manufacturing and installing technology comprises the steps of injection-molding ABS plastic into a dust pan head blank with bristle comb teeth and a rear baffle in a special mold; deburring the surfaces of the bristle comb teeth, the rear baffle and the dust pan head blank; grinding, polishing and cleaning the bristle comb teeth; manufacturing a stainless steel pipe into a pan **handle** and polishing the pan **handle**; fixing the pan **handle** in the center of the rear baffle;checking the appearance and the **fixation** firmness; testing the function. By means of the manufacturing and installation technology of the dust pan capable of cleaning the bristles on the broom, ordered production and installation can be conducted according to a norm to guarantee the manufacturing quality and requirements of a product, irrelevant and unnecessary links are reduced, raw materials canbe saved, the cost is saved, and the machining, installation and production process is normalized, safe and ordered.

Classifications:
International (IPC 8-9): A47L13/52 (Advanced/Invention)
CPC: A47L13/52



Family:

Publication number	Publication date	Application number	Application date
CN108065881 A	20180525	CN201610987151	20161110

Priority:
CN201610987151 20161110

Probable Assignee: QINGDAO SHIJI YUNFAN IND CO LTD
Assignee(s): (std): QINGDAO SHIJI YUNFAN IND CO LTD
Assignee(s): QINGDAO CENTURY YUN FAN INDUSTRIAL CO LTD ; QINGDAO SHIJI YUNFAN IND CO
Inventor(s): (std): ZHAO YUEPENG

Legal status (INPADOC)

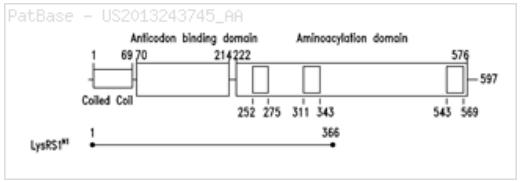
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Patent	Date recorded	Event group	Code	Event	Details
CN108065881 A	20180525	LSPB	+	published / reissued	
CN108065881 A	20180525	LSPB	PB01	PUBLICATION	

26) Family number: 50079202 (US2013243745A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF LYSYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.



Classifications:
International (IPC 8-9): A61K31/7088 A61K38/00 A61K38/08 A61K38/16 A61K38/17 A61K38/43 A61K38/53 A61K39/395 A61K47/34 A61K47/48 A61K47/64 A61K47/66 A61K48/00 A61P21/00 A61P21/02 A61P25/00 A61P29/00 A61P3/00 A61P31/04 A61P35/00 A61P37/00 A61P37/02 A61P43/00 A61P7/00 A61P9/00 C07K1/00 C07K14/435 C07K16/00 C07K16/18 C07K16/40 C07K19/00 C12M1/00 C12N1/00 C12N1/21 C12N15/00 C12N15/09 C12N15/113 C12N15/52 C12N5/071 C12N5/10 C12N9/00 C12N9/48 C12N9/96 C12Q1/25 C12Q1/68 C40B30/04 G01N33/15 G01N33/483 G01N33/50 G01N33/53 G01N33/566 G01N33/573 G01N33/68 (Advanced/Invention); A61K38/00 (Advanced/Non-invention)
CPC: C12N9/96 G01N33/68 C12N5/0602 A61K38/00 G01N33/573 G01N2333/9015 C12Y601/01 C12Y601/01007 C07K2317/24 C07K2317/622 C07K16/40 C12N9/93
European: C12N9/93 K61K38/00
US: 1/1 424/135.1 424/94.5 435/183 435/188 435/212 435/325 435/375 435/7.4 514/12.1 514/18.2 514/19.3 514/21.2 514/6.9 530/350 530/387.9

Family:

Publication number	Publication date	Application number	Application date
AU2011261486 AA	20111208	AU20110261486	20110601
AU2011261486 BB	20170223	AU20110261486	20110601
CA2800281 AA	20121121	CA20112800281	20110601
CN103118694 A	20130522	CN201180031806	20110601
CN103118694 B	20160803	CN201180031806	20110601
DE602011045337 D1	20180301	DE201160045337T	20110601
EP2575857 A2	20130410	EP20110790361	20110601
EP2575857 A4	20140101	EP20110790361	20110601
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IN10809CN2012 A	20141219	IN2012CN10809	20121227
JP2013532965 T2	20130822	JP20130513330T	20110601
JP2016000758 A2	20160107	JP20150186150	20150922
JP5906237 B2	20160420	JP20130513330T	20110601
US2013243745 AA	20130919	US20110700998	20110601
US2015252347 AA	20150910	US20150592431	20150108
US2017008973 AA	20170112	US20160076284	20160321
US8962560 BB	20150224	US20110700998	20110601
US9322009 BB	20160426	US20150592431	20150108
WO11153277 A2	20111208	WO2011US38813	20110601
WO11153277 A3	20120524	WO2011US38813	20110601

Priority:

US20100350242P 20100601 US20100350411P 20100601 US20100350409P 20100601
US20100350407P 20100601 US20110488528P 20110520 US20110488514P 20110520
US20110488503P 20110520 US20110488619P 20110520 EP20110790361 20110601
JP20130513330T 20110601 WO2011US38813 20110601 US20110700998 20110601
US20130700998 20130429 US20150592431 20150108 US20160076284 20160321

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): CHIANG KYLE P ; GREENE LESLIE ANN ; HONG FEI ; LO WING SZE ; MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; WATKINS JEFFRY D ; QUINN CHERYL L ; WATKINS JEFFRY DEAN ; VASSEROT ALAIN PHILIPPE ; ATYR PHARMA INC

Assignee(s): ATYR PHARMA INC SAN DIEGO ; PANGU BIOPHARMA LIMITED

Inventor(s): (std): WATKINS JEFFRY DEAN ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY D ; VASSEROT ALAIN P ; QUINN CHERYL L ; MENDLEIN JOHN D ; LO WING SZE ; HONG FEI ; GREENE LESLIE ANN ; CHIANG KYLE P ; JEFFRY D WATKINS ; JOHN D MENDLEIN ; KYLE P CHIANG ; LESLLE ANN GREENE ; ALAIN P VASSEROT ; CHERYL L QUINN

Inventor(s): CHIANG KYLE P CARDIFF ; QUINN CHERYL L MINNEAPOLIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details

AU2011261486 AA	20111208	LSPB	+	published / reissued	
AU2011261486 AA	20170622	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011261486 BB	20170223	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011261486 BB	20310601	PEXP		Calculated Patent Term Expiry	
CA2800281 AA	20121121	LSPB	+	published / reissued	
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CN103118694 A	20130522	LSPB	+	published / reissued	
CN103118694 A	20130522	LSPB	+C06	PUBLICATION	
CN103118694 B	20160803	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103118694 B	20160803	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103118694 B	20310601	PEXP		Calculated Patent Term Expiry	
EP2575857 A2	20130410	LSPB	+	published / reissued	
EP2575857 A2	20130410	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121213
EP2575857 A4	20140101	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20131202
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EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 37/00 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/17 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/08 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/50 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/00 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/96 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 21/00 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20131126BHEP
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 5/071 20100101ALI20131126BHEP

				BEFORE GRANT	
EP2575857 A4	20140101	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 16/00 20060101ALI20131126BHEP
EP2575857 A4	20150311	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150206
EP2575857 A4	20170628	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/00 20060101AFI20170519BHEP
EP2575857 A4	20170628	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/68 20060101ALI20170519BHEP
EP2575857 A4	20170628	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 16/40 20060101ALI20170519BHEP
EP2575857 A4	20170628	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/96 20060101ALI20170519BHEP
EP2575857 A4	20170628	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 5/071 20100101ALI20170519BHEP
EP2575857 A4	20170628	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/573 20060101ALI20170519BHEP
EP2575857 A4	20170816	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170718
EP2575857 B1	20180124	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2575857 B1	20180124	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2575857 B1	20180131	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2575857 B1	20180215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 965388 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180215
EP2575857 B1	20180221	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2575857 B1	20180301	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011045337 COUNTRY OF REF DOCUMENT : DE
EP2575857 B1	20180611	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2575857 B1	20180615	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 965388 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180124
EP2575857 B1	20180625	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2575857 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	LAPSED DATE : 20180124
EP2575857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180424
EP2575857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180524
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180424
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124

EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180425
EP2575857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180625 YEAR OF FEE PAYMENT : 8
EP2575857 B1	20181025	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011045337 COUNTRY OF REF DOCUMENT : DE
EP2575857 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180627 YEAR OF FEE PAYMENT : 8
EP2575857 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180626 YEAR OF FEE PAYMENT : 8
EP2575857 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20190102	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20181025
EP2575857 B1	20190131	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2575857 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20190320	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2575857 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP2575857 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180601
EP2575857 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180630
EP2575857 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180601
EP2575857 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180630
EP2575857 B1	20310601	PEXP		Calculated Patent Term Expiry	
IN10809CN2012 A	20141219	LSPB	+	published / reissued	
JP2013532965 T2	20130822	LSPB	+	published / reissued	
JP2013532965 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013532965 T2	20140408	LSES	+A621	WRITTEN REQUEST	TEXT : JAPANESE INTERMEDIATE

				FOR APPLICATION EXAMINATION	CODE: A621 EFFECTIVE DATE : 20140407
JP2013532965 T2	20150624	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150623
JP2013532965 T2	20150924	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150922
JP2013532965 T2	20160224	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013532965 T2	20160302	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160301
JP2013532965 T2	20160324	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160318
JP2013532965 T2	20160325	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5906237 COUNTRY OF REF DOCUMENT : JP
JP2016000758 A2	20160107	LSPB	+	published / reissued	
JP2016000758 A2	20160726	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160726
JP2016000758 A2	20161115	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20161115
JP5906237 B2	20160420	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5906237 B2	20160303	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5906237 B2	20160322	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5906237 B2	20160325	LSGT	+R150	特許証 (Patent certificate)	
JP5906237 B2	20190307	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5906237 B2	20190312	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5906237 B2	20310601	PEXP		Calculated Patent Term Expiry	
US2013243745 AA	20130919	LSPB	+	published / reissued	
US2013243745 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013243745 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013243745 AA	20150204	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2015252347 AA	20150910	LSPB	+	published / reissued	
US2015252347 AA	20151208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:037240/0001 EFFECTIVE DATE : 20121221
US2015252347 AA	20151208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:037239/0978
US2015252347 AA	20160406	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017008973 AA	20170112	LSPB	+	published / reissued	
US2017008973 AA	20160928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:039877/0761 EFFECTIVE DATE : 20121221
US2017008973 AA	20160928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:040171/0063
US2017008973 AA	20180322	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017008973 AA	20180327	LSES	NFA1	Non Final Action Mailed	
US2017008973 AA	20181010	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US8962560 BB	20150224	LSGT	+	granted / extensions (spc, cpc, pte)	
US8962560 BB	20150204	LSGT	PAT1	Patented Case	
US8962560 BB	20180824	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8962560 BB	20310601	PEXP		Calculated Patent Term Expiry	
US9322009 BB	20160426	LSGT	+	granted / extensions (spc, cpc, pte)	
US9322009 BB	20160406	LSGT	PAT1	Patented Case	
US9322009 BB	20350108	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11153277 A2	20111208	LSPB	+	published / reissued	
WO11153277 A2	20110601	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031806.1 COUNTRY OF REF DOCUMENT : CN
WO11153277 A3	20121116	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013513330 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

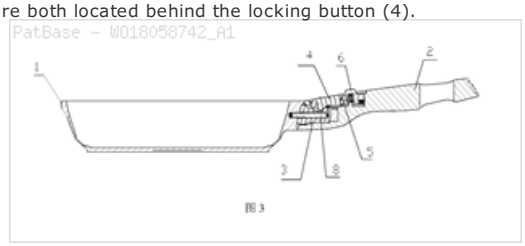
WO11153277 A3	20121121	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2800281 COUNTRY OF REF DOCUMENT : CA
WO11153277 A3	20121203	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11153277 A3	20121213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011790361 COUNTRY OF REF DOCUMENT : EP
WO11153277 A3	20121227	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10809/CHENP/2012 COUNTRY OF REF DOCUMENT : IN
WO11153277 A3	20130117	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011261486 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110601 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11153277 A3	20130429	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13700998 COUNTRY OF REF DOCUMENT : US

27) Family number: 65008203 (WO18058742A1)

Title: DETACHABLE PAN **HANDLE**

Abstract: Disclosed is a detachable pan **handle**, comprising a handle body (2) and a plug (3), with the plug (3) being fixed to a pan (1). The pan **handle** further comprises a detachable assembly. The detachable assembly comprises a locking button (4), a latch (5), an opening button (6) and a fixing frame (7). A plug holding cavity for the plug (3) to be inserted into and an open slot for mounting the fixing frame (7) are provided at a front end of the handle body (2), the open slot is located above the plug holding cavity, and the front of the open slot is in communication with the rear of the plug holding cavity. The locking button (4) is located above the plug (3), and the latch (5) and the opening button (6) are both located behind the locking button (4).

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention)
CPC: A47J45/071 A47J45/07



Family:

Publication number	Publication date	Application number	Application date
CN106419664 A	20170222	CN201610890197	20160930
CN106419664 B	20181009	CN201610890197	20160930
CN206315020 U	20170711	CN201621116276U	20160930
RU2690646 C1	20190604	RU20180114281	20161104
WO18058742 A1	20180405	WO2016CN104672	20161104

Priority:

CN201610890197 20160930 CN201621116276U 20160930 WO2016CN104672 20161104

Probable Assignee: ZHEJIANG KELAND ELECTRIC APPLIANCE CO LTD

Assignee(s): (std): ZHEJIANG KELAND ELECTRIC APPLIANCE CO LTD ; ZHEJIANG KELAND ELECTRIC APPLIANCE LTD

Assignee(s): ZHEJIANG KELAND ELECTRIC APPLIANCE CO

Inventor(s): (std): WANG QIANG ; LIU BIN

Agent(s): PATENTVOLGASERVIS OOO; HANGZHOU SIKERUI PATENT OFFICE CO LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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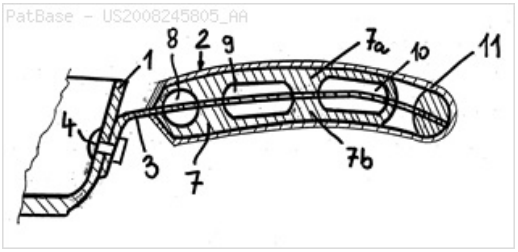
Patent	Date recorded	Event group	Code	Event	Details
CN106419664 A	20170222	LSPB	+	published / reissued	
CN106419664 A	20170222	LSPB	+C06	PUBLICATION	
CN106419664 B	20181009	LSGT	+	granted / extensions (spc, cpc, pte)	
CN106419664 B	20181009	LSGT	+GR01	PATENT GRANT	
CN106419664 B	20360930	PEXP		Calculated Patent Term Expiry	
CN206315020 U	20170711	LSGT	+	granted / extensions (spc, cpc, pte)	
CN206315020 U	20170711	LSGT	+GR01	PATENT GRANT	
CN206315020 U	20181009	LSWD	-AV01	PATENT RIGHT ACTIVELY ABANDONED	
CN206315020 U	20260930	PEXP		Calculated Patent Term Expiry	
RU2690646 C1	20190604	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2690646 C1	20361104	PEXP		Calculated Patent Term Expiry	
WO18058742 A1	20180405	LSPB	+	published / reissued	
WO18058742 A1	20180418	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2018114281 COUNTRY OF REF DOCUMENT : RU
WO18058742 A1	20190402	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

28) Family number: 42257228 (US2008245805A)

Title: HANDLE FOR A PAN OR A SIMILAR KITCHEN VESSEL

Abstract: A handle for a pan or a similar kitchen vessel comprises a handle supporting core integral with the pan body and combined by two reinforcement half-bodies made of a heat resistant material, the pan **handle** including reinforcement half bodies being coated by a silicone resin coating sheath.

Classifications:
International (IPC 8-9): A47J A47J27/00 A47J36/00 A47J45/06 A47J45/08 A47J45/10 B25G1/00 B65D25/28 C09D183/04 (Advanced/Invention); A47J27/00 A47J45/00 B25G1/00 B65D25/28 C09D183/04 (Core/Invention)
CPC: Y10T16/44 Y10T16/4707 A47J45/08 A47J45/061
European: A47J45/08 K47J45/06A
US: 16/110.1 16/425 220/573.1 220/752 220/755



Family:

Publication number	Publication date	Application number	Application date
CN101278812 A	20081008	CN200810091180	20080407
CN105816074 A	20160803	CN201610198730	20080407
DE602008029890 D1	20140227	DE200860029890T	20080328
EP1977671 A2	20081008	EP20080006152	20080328
EP1977671 A3	20121121	EP20080006152	20080328
EP1977671 B1	20140115	EP20080006152	20080328
HK1123469 A1	20090619	HK20090101150	20090209
HK1123469 A3	20090619	HK20090101150	20090209
ITMI20070697 A1	20081005	IT2007MI00697	20070404
US2008245805 AA	20081009	US20080080241	20080401
US7819278 BB	20101026	US20080080241	20080401

Priority:
IT2007MI00697 20070404 EP20080006152 20080328 CN200810091180 20080407

Probable Assignee: BALLARINI PAOLO AND FIGLI SPA

Assignee(s): (std): BALLARINI PAOLO AND FIGLI S P A ; BALLARINI PAOLO AND FIGLI SPA ; FERRON JACOPO

Inventor(s): (std): JACOPO FERRON ; FERRON JACOPO

Agent(s): KRAUS AND WEISERT PATENTANWAELTE PARTGMBB; MAYER HANS BENNO; VANOSI ADELIO VALERIANO; CHINA PATENT AGENT HK LTD; KIRSCHSTEIN OTTINGER ISRAEL AND SCHIFFMILLER PC; KIRSCHSTEIN ET AL

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN101278812 A	20081008	LSPB	+	published / reissued	
CN101278812 A	20081008	LSPB	+C06	PUBLICATION	
CN101278812 A	20160921	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
CN101278812 A	20171103	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : WD REF DOCUMENT NUMBER : 1123469 COUNTRY OF REF DOCUMENT : HK
CN105816074 A	20160803	LSPB	+	published / reissued	
CN105816074 A	20160803	LSPB	+C06	PUBLICATION	
EP1977671 A2	20081008	LSPB	+	published / reissued	
EP1977671 A2	20090218	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20081222
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				EPO]	
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EP1977671 B1	20140226	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1977671 B1	20140227	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602008029890 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140227
EP1977671 B1	20140528	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20140115
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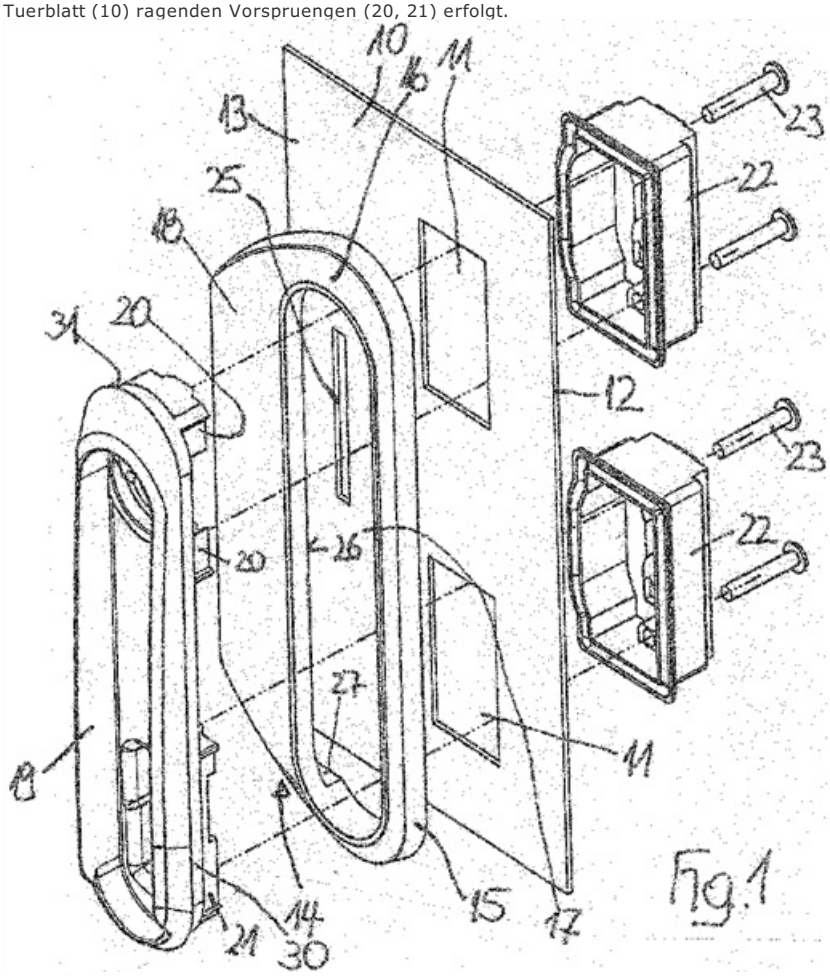
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EP1977671 B1	20280328	PEXP		Calculated Patent Term Expiry	
HK1123469 A1	20090619	LSPB	+	published / reissued	
HK1123469 A3	20090619	LSPB	+	published / reissued	
ITMI20070697 A1	20081005	LSPB	+	published / reissued	
US2008245805 AA	20081009	LSPB	+	published / reissued	
US2008245805 AA	20090824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BALLARINI PAOLO & FIGLI S.P.A., ITALY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FERRON, JACOPO; REEL/FRAME:023136/0653 EFFECTIVE DATE : 20090420
US2008245805 AA	20101006	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7819278 BB	20101026	LSGT	+	granted / extensions (spc, cpc, pte)	
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US7819278 BB	20180427	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7819278 BB	20180719	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.)
US7819278 BB	20190222	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	TEXT : PAYMENT OF MAINTENANCE FEE UNDER 1.28(C) (ORIGINAL EVENT CODE: M1559); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US7819278 BB	20190225	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES GRANTED (ORIGINAL EVENT CODE: PTGR); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US7819278 BB	20280421	PEXP		Calculated Patent	

	Term Expiry (PTA 20 days)

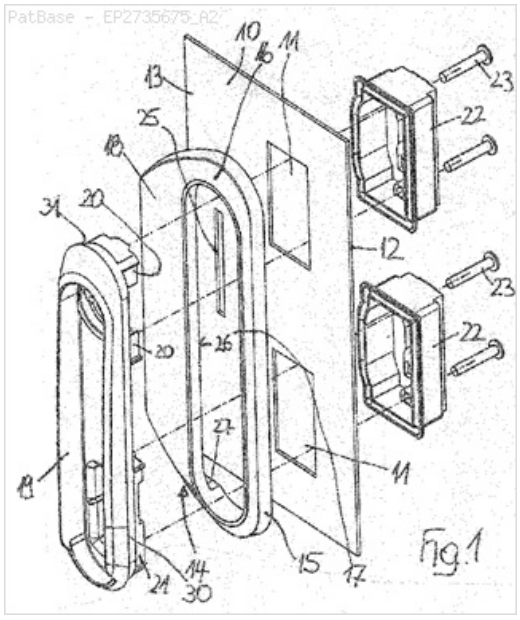
29) Family number: 56528233 (EP2735675B1)

Title: CLOSURE DEVICE FOR DOORS WITH AN ASYMMETRIC ESCUTCHEON DISPOSITIF DE FERMETURE POUR PORTES DOTE D'UNE PLAQUE DE PORTE ASYMETRI

Abstract: Source: EP2735675A3 [DE] Eine Verschlussvorrichtung fuer Tueren von Gehaeusen oder Schraenken mit einem auf der Aussenseite des Tuerblatts (10) aufzulegenden Tuerschild (14), welches einen eine der Verriegelung und der Entriegelung dienende Handhabe aufnehmenden ersten Tuerschildbereich (16) und einen seitlich dazu angeordneten zweiten Tuerschildbereich (18) aufweist, wobei an der Innenseite des zweiten Tuerschildbereichs (18) eine in Laengsrichtung des Tuerschildes (14) verstellbare und mit der Handhabe gekoppelte Schubplatte (40) angeordnet und an die Schubplatte (40) ein senkrecht zur Tuerschildebene ausgerichteter und mit einer auf der Tuerinnenseite angeordneten Riegelmechanik gekoppelter Mitnehmer (42) angeschlossen ist, ist dadurch gekennzeichnet, dass das einstueckig ausgebildete und einen umlaufenden, in Anlage an dem Tuerblatt (10) kommenden aufstehenden Rand (15) aufweisende Tuerschild (14) zur Ausbildung des ersten Tuerschildbereichs (16) eine an eine die Handhabe in einer darin versenkbaren Anordnung aufnehmende Mulde (19) angepasste Ausnehmung (17) aufweist und die Mulde (19) mit einem passenden, umlaufenden und gegenueber dem aeusseren Rand der Mulde ruecksprungartig angeordneten Randansatz (30) in die Ausnehmung (17) des Tuerschildes (14) eingesteckt ist, wobei die Hoehe der die Ausnehmung (17) im ersten Tuerschildbereich (16) einschliessenden Wand des Tuerschildes (14) groesser bemessen ist als die Hoehe des in die Ausnehmung (17) eingreifenden Randansatzes (30) der Mulde (19) und die Befestigung der Verschlussvorrichtung an an der Mulde (19) ausgebildeten und durch wenigstens einen zugeordneten Durchbruch (11) im Tuerblatt (10) ragenden Vorspruengen (20, 21) erfolgt.



Classifications:
International (IPC 8-9): E05B1/00 E05B15/02 E05B65/02 E05B65/44 E05C9/10 (Advanced/Invention)
CPC: E05B15/02 E05B1/0092 E05B9/08 E05B63/04 E05C9/12



Family:

Publication number	Publication date	Application number	Application date
DE102012111389 A1	20140528	DE201210111389	20121126
DE102012111389 B4	20180301	DE201210111389	20121126
EP2735675 A2	20140528	EP20130192892	20131114
EP2735675 A3	20161228	EP20130192892	20131114
EP2735675 B1	20190501	EP20130192892	20131114

Priority:

DE201210111389 20121126

Probable Assignee: EMKA BESCHLAGTEILE

Assignee(s): (std)**:** EMKA BESCHLAGTEILE ; EMKA BESCHLAGTEILE GMBH AND CO KG

Inventor(s): (std)**:** SKOPNIK JOERG ; GRUNERT MARTIN

Agent(s): MUELLER KARL ERNST; FEUCKER MAX MARTIN

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE102012111389 A1	20140528	LSPB	+	published / reissued	
DE102012111389 A1	20121126	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102012111389 A1	20150812	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102012111389 A1	20171113	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
DE102012111389 B4	20180301	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102012111389 B4	20181204	LSGT	+R020	PATENT GRANT NOW FINAL	
DE102012111389 B4	20321126	PEXP		Calculated Patent Term Expiry	
EP2735675 A2	20140528	LSPB	+	published / reissued	
EP2735675 A2	20140528	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20131114
EP2735675 A3	20161228	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E05B 65/02 20060101ALI20161121BHEP
EP2735675 A3	20161228	LSRE	RIC1	INFORMATION PROVIDED	CLASSIFICATIONSCHEME :

				ON IPC CODE ASSIGNED BEFORE GRANT	IPC CLASSIFICATIONSYMBOL : E05B 15/02 20060101AFI20161121BHEP
EP2735675 A3	20161228	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E05B 1/00 20060101ALI20161121BHEP
EP2735675 A3	20170628	LSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTED)	EFFECTIVE DATE : 20170516
EP2735675 A3	20190109	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20181210
EP2735675 B1	20190501	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2735675 B1	20190501	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2735675 B1	20190515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2735675 B1	20190515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1127079 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20190515
EP2735675 B1	20190523	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502013012740 COUNTRY OF REF DOCUMENT : DE
EP2735675 B1	20190529	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2735675 B1	20331114	PEXP		Calculated Patent Term Expiry	

30) Family number: 41824236 (EP1925244B1)

Title: Cooking vessel

Abstract: A cooking vessel (1) especially a pan has a vessel body (2) and a removable handle (3) attached via a fixture device to the body (2). The fixture device has a tightly fitted active device with a guide (9) for an active element (8) where the active element (8) and the guide (9) are brought into engagement by a relative swivel movement (A) of the handle (3) and the pan body (2).

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention); A47J45/00 (Core/Invention)
CPC: A47J45/071
European: A47J45/07A

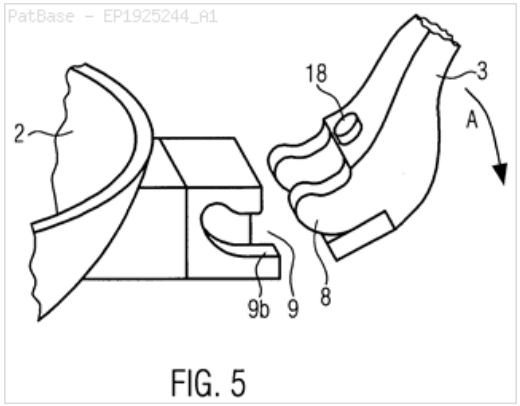


FIG. 5

Family:

Publication number	Publication date	Application number	Application date
DE502006005208 D1	20091203	DE200650005208T	20061123
EP1925244 A1	20080528	EP20060024340	20061123
EP1925244 B1	20091021	EP20060024340	20061123

Priority:
EP20060024340 20061123

Probable Assignee: WMF WUERTTEMBERG METALLWAREN
Assignee(s): (std): WMF WUERTTEMBERG METALLWAREN
Assignee(s): WMF WUERTTEMBERGISCHE METALLWARENFABRIK AG
Inventor(s): (std): NEUMAYER MARTIN ; KIEFER ALEXANDER ; KAUPP HEINZ ; ABELE WERNER
Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET
Designated states: AL BA DE HR MK RS

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE502006005208 D1	20101111	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE502006005208 D1	20140506	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : WMF AG, 73312 GEISLINGEN, DE OLDPARTY : WMF WÜRTTEMBERGISCHE METALLWARENFABRIK AG, 73312 GEISLINGEN, DE
DE502006005208 D1	20160405	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : WMF GROUP GMBH, 73312 GEISLINGEN, DE OLDPARTY : WMF AG, 73312 GEISLINGEN, DE
EP1925244 A1	20080528	LSPB	+	published / reissued	
EP1925244 A1	20080528	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070823
EP1925244 A1	20090204	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : DE
EP1925244 A1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161125 YEAR OF FEE PAYMENT : 11
EP1925244 B1	20091021	LSGT	+	granted / extensions (spc, cpc, pte)	

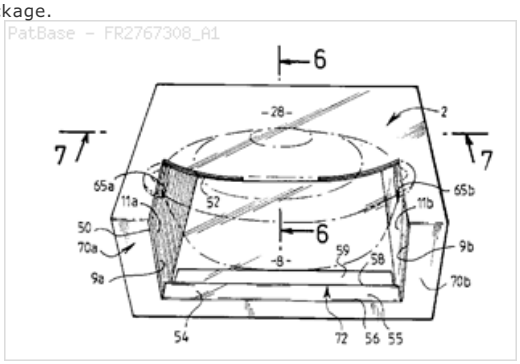
EP1925244 B1	20100929	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20100722
EP1925244 B1	20140612	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : WMF GROUP GMBH, DE REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 502006005208 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: WMF WUERTTEMBERGISCHE METALLWARENFABRIK AG, 73312 GEISLINGEN, DE EFFECTIVE DATE : 20140506
EP1925244 B1	20140612	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : WMF AG, DE REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 502006005208 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: WMF WUERTTEMBERGISCHE METALLWARENFABRIK AG, 73312 GEISLINGEN, DE EFFECTIVE DATE : 20140506
EP1925244 B1	20160405	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : WMF GROUP GMBH, DE REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 502006005208 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: WMF AG, 73312 GEISLINGEN, DE
EP1925244 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20171124 YEAR OF FEE PAYMENT : 12
EP1925244 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20181122 YEAR OF FEE PAYMENT : 13
EP1925244 B1	20261123	PEXP		Calculated Patent Term Expiry	

31) Family number: 14309239 (FR2767308A)

Title: Presentation package especially for heavy cooking pots

Abstract: The package is formed by folding a blank of cardboard. It has a lower wall and an upper wall together with a rear wall and a front wall which connect the lateral side walls (70a,70b) and each form a strengthening frame. The front wall has a hollow section (72) which reinforces the package. This is formed by folding a flap (54) that is cut in the front wall and releasing from it a presentation window (50) for the product that is to be contained in the package.

Classifications:
International (IPC 8-9): B65D5/50 (Advanced/Invention);
B65D5/50 (Core/Invention)
International (IPC 1-7): A47J27/08 B65D5/18 B65D5/50 B65D5/52
CPC: B65D5/5021
European: B65D5/50B



Family:

Publication number	Publication date	Application number	Application date
FR2767308 A1	19990219	FR19970010442	19970818
FR2767308 B1	19991112	FR19970010442	19970818

Priority:
FR19970010442 19970818

Probable Assignee:	CREUSET LE
Assignee(s): (std):	CREUSET LE
Assignee(s):	LE CREUSET
Inventor(s): (std):	BOUSSEMART RUDI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR2767308 A1	19990219	LSPB	+	published / reissued	
FR2767308 B1	19991112	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2767308 B1	20060526	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20060428
FR2767308 B1	20170818	PEXP		Calculated Patent Term Expiry	

32) Family number: 18250256 (EP0730839A1)

Title: Fastening device for a handle of a bath tub or the like

Abstract: The fixing device has a grip element attached to the bath wall by a fixing element having a prism (12) with central bore, fixing screw and nut. The nut is a blind rivet nut (10) with a head (14) which is held with keyed engagement non-rotationally in the underneath of the prism by a suitably shaped socket. The rivet nut has a moulded on threaded sleeve (16a) into which is screwed the thread (13a) of the fixing screw (13) to connect an elastically deformable part (15) of the sleeve and head (14) of the rivet nut. The grip element can have a recess to fit over the fixing prism.

Classifications:
International (IPC 8-9): A47K3/00 F16B37/06 (Advanced/Invention); A47K3/00 F16B37/04 (Core/Invention)
International (IPC 1-7): A47K3/00 F16B37/06
CPC: A47K3/003 F16B37/067
European: A47K3/00B2 F16B37/06B2B

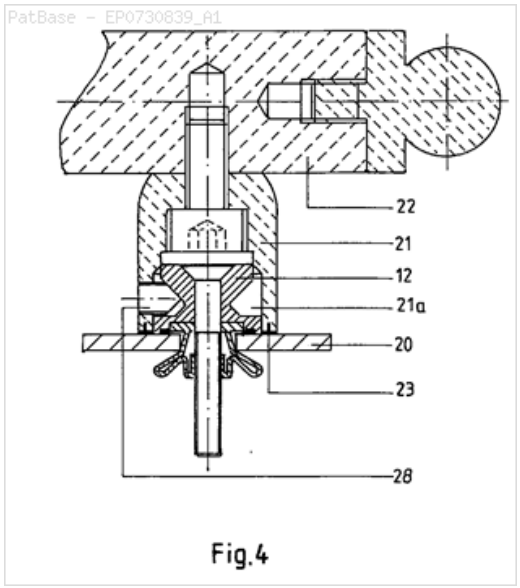


Fig.4

Family:

Publication number	Publication date	Application number	Application date
AT197234 E	20001115	AT19960103647T	19960308
DE19508629 A1	19960912	DE19951008629	19950310
DE19508629 C2	19981105	DE19951008629	19950310
DE59606064 D1	20001207	DE19965006064	19960308
EP0730839 A1	19960911	EP19960103647	19960308
EP0730839 B1	20001102	EP19960103647	19960308

Priority:
DE19951008629 19950310 DE19965006064 19960308

Probable Assignee: KALDEWEI FRANZ GMBH AND CO
Assignee(s): (std): KALDEWEI FRANZ GMBH AND CO
Assignee(s): FRANZ KALDEWEI GMBH AND CO ; FRANZ KALDEWEI GMBH AND CO 59229 AHLEN DE
Inventor(s): (std): MATEINA LUDGER
Designated states: AT BE CH DE ES FR GB LI LU NL

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT197234 E	20001115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT197234 E	20020615	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT197234 E	20160308	PEXP		Calculated Patent Term Expiry	
DE19508629 A1	19960912	LSPB	+	published / reissued	
DE19508629 A1	19960912	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE19508629 C2	19981105	LSGT	+	granted / extensions (spc, cpc, pte)	
DE19508629 C2	19981105	LSGT	+D2	GRANT AFTER EXAMINATION	
DE19508629 C2	19990506	LSGT	+8364	NO OPPOSITION DURING	

				TERM OF OPPOSITION	
DE19508629 C2	20030116	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE19508629 C2	20150310	PEXP		Calculated Patent Term Expiry	
DE59606064 D1	20011129	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59606064 D1	20030116	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0730839 A1	19960911	LSPB	+	published / reissued	
EP0730839 A1	19961023	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19960820
EP0730839 A1	20000614	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20000427
EP0730839 B1	20001102	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0730839 B1	20001102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20001102
EP0730839 B1	20001102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20001102
EP0730839 B1	20001102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 20001102
EP0730839 B1	20001102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20001102
EP0730839 B1	20001115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0730839 B1	20010219	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20010219 YEAR OF FEE PAYMENT : 6
EP0730839 B1	20010308	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20010308
EP0730839 B1	20010308	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20010308
EP0730839 B1	20010331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20010331
EP0730839 B1	20010331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20010331

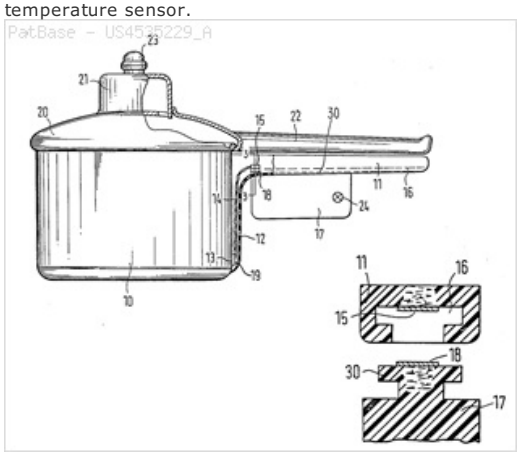
				NATIONAL OFFICE TO EPO]	
EP0730839 B1	20010331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20010331
EP0730839 B1	20010402	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	REF COUNTRY CODE : EP
EP0730839 B1	20010502	LSWD	-GBV	GB: EP PATENT (UK) TREATED AS ALWAYS HAVING BEEN VOID IN ACCORDANCE WITH GB SECTION 77(7)/1977	REF COUNTRY CODE : EP EFFECTIVE DATE : 20001102
EP0730839 B1	20010930	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : FRANZ KALDEWEI G.M.B.H. & CO. EFFECTIVE DATE : 20010331
EP0730839 B1	20011024	LSGT	+26N	NO OPPOSITION FILED	
EP0730839 B1	20011115	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0730839 B1	20021001	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20021001
EP0730839 B1	20160308	PEXP		Calculated Patent Term Expiry	

33) Family number: 4973264 (US4535229A)

Title: SAUCEPAN AND COVER FOR A COOKING UTENSIL, PARTICULARLY A STEAM PRESSURE COOKING PAN

Abstract: The invention relates to a cooking vessel comprising a cooking pan and cover, especially a steam pressure cooker, to which a temperature-dependent resistor is attached as a temperature sensor with an attached computing device for the determination of the temperature inside the cooking pot, and for the transmission of electrical signals corresponding to the temperature detected. In order for the cooking vessel to be equipped for an exact measurement of temperature without greatly increasing costs, a measuring point covered by the handle is provided, to which a temperature sensor is attached. One of the handles of the cooking pot or cover carries a plug accommodation with connection contacts, which mechanically accommodates a computing device formed as a plug unit, and connects electrically with the temperature sensor.

Classifications:
International (IPC 8-9): A47J27/00 A47J27/08 A47J27/62 (Advanced/Invention); A47J27/00 A47J27/08 A47J27/56 (Core/Invention)
International (IPC 1-7): A47J27/00 A47J27/08 A47J27/09 A47J27/62 A47J36/32 F27D11/00
CPC: A47J36/321 A47J27/0802 H05B2213/06
European: A47J27/08C T05B213/06
US: 116/148 126/348 219/431 219/432 219/435 219/440 219/441 99/344 99/352 D7/358



Family:

Publication number	Publication date	Application number	Application date
AT19933 E	19860615	AT19830109985T	19831006
DE3238768 A1	19840426	DE19823238768	19821020
DE3238768 C2	19881229	DE19823238768	19821020
EP0108913 A1	19840523	EP19830109985	19831006
EP0108913 B1	19860528	EP19830109985	19831006
JP1384531 C3	19870626	JP19830192649	19831017
JP59091925 A2	19840526	JP19830192649	19831017
JP61053046 B4	19861115	JP19830192649	19831017
KR19840006290 A	19841129	KR19830004882	19831015
KR840006290 A	19841129	KR19830004882	19831015
KR890005113 B1	19891211	KR19830004882	19831015
US4535229 A	19850813	US19830539482	19831006
US4574184 A	19860304	US19850732140	19850509

Priority:

DE19823238768 19821020 EP19830109985 19831006 US19830539482 19831006

Probable Assignee: FISSLER GMBH A CO LIABILITY OF GERMANY LTD

Assignee(s): (std): KURT WOLF U CO KG ; KURUTO BUORUFU UNTO CO KG ; WOLF AND CO KG KURT ; WOLF AND CO KURT KG

Assignee(s): KURT WOLF UND CO KG ; KURUTO UORUFU UNTO CO KG ; KURT WOLF UND CO ; KURT WOLF U CO ; KURT WOLF AND CO LANGWIESENWEG 67 71 D 7547 WILDBA ; SHAWMUT CAPITAL CORP ; KURT WOLF AND CO KG LANGWIESENWEG 67 71 D 7547 WIL ; FISSLER GMBH ; FISSLER GMBH 6580 IDAR OBERSTEIN DE ; FISSLER GMBH A CO LIABILITY OF GERMANY LTD ; KURT WOLF AND CO ; KURT WOLF AND CO KG

Inventor(s): (std): ANDRE WOLFRAM K ; BUORUFURAMU ANDORE ; KURUTO BUORUFU ; WOLF KURT ; WOLF KURT ING GRAD ; WOLFRAM ANDRE DIPL ING ; ANDRE WOLFRAM DIPL ING ; ANDRE WOLFRAM

Inventor(s): WOLF KURT ING GRAD 7547 WILDBAD DE ; WOLF KURT ING ; UORUFURAMU ANDORE ; KURUTO UORUFU ; WOLFRAM ANDRE DIPL ING 7307 AICHWALD DE

Designated states: AT BE CH FR GB IT LI LU NL SE

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT19933 E	19860615	LSGT	+	granted / extensions (spc, cpc, pte)	
AT19933 E	19880215	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT19933 E	20031006	PEXP		Calculated Patent Term Expiry	
DE3238768 A1	19840426	LSPB	+	published / reissued	

DE3238768 A1	19840426	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE3238768 A1	19880818	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : FISSLER GMBH, 6580 IDAR-OBERSTEIN, DE
DE3238768 C2	19881229	LSGT	+	granted / extensions (spc, cpc, pte)	
DE3238768 C2	19881229	LSGT	+D2	GRANT AFTER EXAMINATION	
DE3238768 C2	19890622	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3238768 C2	19961010	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0108913 A1	19840523	LSPB	+	published / reissued	
EP0108913 A1	19840613	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19840402
EP0108913 B1	19860528	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0108913 B1	19860528	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19860528
EP0108913 B1	19860528	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL LAPSED DATE : 19860528
EP0108913 B1	19861006	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT LAPSED DATE : 19861006
EP0108913 B1	19861031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19861031
EP0108913 B1	19861216	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	REF COUNTRY CODE : EP
EP0108913 B1	19870520	LSGT	+26N	NO OPPOSITION FILED	
EP0108913 B1	19880622	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP
EP0108913 B1	19880630	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : FISSLER GMBH REF LEGAL EVENT CODE : PUE
EP0108913 B1	19880805	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : TP
EP0108913 B1	19881122	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19881122
EP0108913 B1	19891222	LSAS	ITPR	IT: CHANGES IN OWNERSHIP OF A EUROPEAN PATENT	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : CESSIONE; FISSLER GMBH
EP0108913 B1	19911031	LSFE	ITTA	IT: LAST PAID ANNUAL FEE	REF COUNTRY CODE : EP

EP0108913 B1	19940819	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19940819 YEAR OF FEE PAYMENT : 12
EP0108913 B1	19940921	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 19940921 YEAR OF FEE PAYMENT : 12
EP0108913 B1	19950123	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 19950123 YEAR OF FEE PAYMENT : 12
EP0108913 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 83109985.8
EP0108913 B1	19951007	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19951007
EP0108913 B1	19951031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI LAPSED DATE : 19951031
EP0108913 B1	19951031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH LAPSED DATE : 19951031
EP0108913 B1	19960614	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0108913 B1	19960628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR LAPSED DATE : 19960628
EP0108913 B1	19960701	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 83109985.8
EP0108913 B1	19960906	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0108913 B1	20031006	PEXP		Calculated Patent Term Expiry	
JP1384531 C3	19870626	LSGT	+	granted / extensions (spc, cpc, pte)	
JP59091925 A2	19840526	LSPB	+	published / reissued	
JP61053046 B4	19861115	LSPB	+	published / reissued	
KR19840006290 A	19841129	LSPB	+	published / reissued	
KR840006290 A	19841129	LSPB	+	published / reissued	
KR840006290 A	19841115	LSES	A201	REQUEST FOR EXAMINATION	
KR840006290 A	19880601	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR840006290 A	19881129	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR840006290 A	19890523	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR840006290 A	19891110	LSPB	G160	DECISION TO PUBLISH PATENT APPLICATION	
KR840006290 A	19900228	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR840006290 A	19900312	LSGT	+GRNT	WRITTEN DECISION TO GRANT	

KR840006290 A	19941210	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 19941210 YEAR OF FEE PAYMENT : 6
KR840006290 A	19951212	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR890005113 B1	19891211	LSGT	+	granted / extensions (spc, cpc, pte)	
KR890005113 B1	19981015	PEXP		Calculated Patent Term Expiry	
US4535229 A	19850813	LSGT	+	granted / extensions (spc, cpc, pte)	
US4535229 A	19850319	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KURT WOLF & CO. KG, LANGWIESENWEG 67/71, D-7547 WI OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:WOLF, KURT; ANDRE, WOLFRAM K.; REEL/FRAME:004376/0509 EFFECTIVE DATE : 19830925
US4535229 A	19850613	LSGT	PAT1	Patented Case	
US4535229 A	19880817	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FISSLER GMBH, A CO. LIMITED LIABILITY OF GERMANY,G OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KURT WOLF & CO. KG., A LIMITED PARTNERSHIP OF GERMANY; REEL/FRAME:004941/0192 EFFECTIVE DATE : 19880809
US4535229 A	19880817	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FISSLER GMBH, MAINZER STRASSE 34, D-6580 IDAR-OBER OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:KURT WOLF & CO. KG., A LIMITED PARTNERSHIP OF GERMANY; REEL/FRAME:004941/0192 EFFECTIVE DATE : 19880809
US4535229 A	19890111	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4535229 A	19920930	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4535229 A	19970810	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4535229 A	19971021	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19970813
US4535229 A	20180123	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4535229 A	20180123	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4535229 A	20031006	PEXP		Calculated Patent Term Expiry	
US4574184 A	19860304	LSGT	+	granted / extensions (spc, cpc, pte)	
US4574184 A	19860102	LSGT	PAT1	Patented Case	
US4574184 A	19880817	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FISSLER GMBH, A CO. LIMITED LIABILITY OF GERMANY,G OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KURT WOLF & CO. KG., A LIMITED PARTNERSHIP OF GERMANY; REEL/FRAME:004941/0192 EFFECTIVE DATE : 19880809
US4574184 A	19880817	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

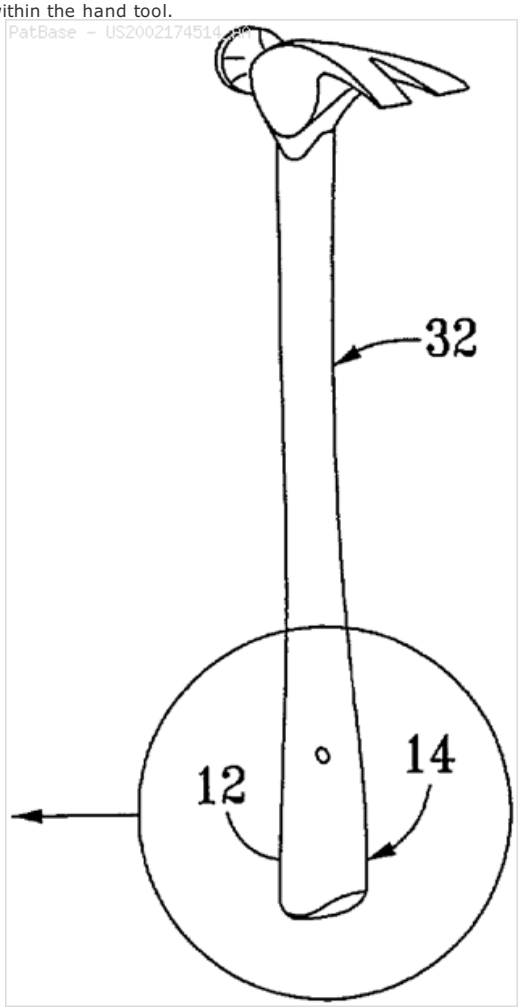
					OWNER : FISSLER GMBH, MAINZER STRASSE 34, D-6580 IDAR-OBER OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:KURT WOLF & CO. KG., A LIMITED PARTNERSHIP OF GERMANY; REEL/FRAME:004941/0192 EFFECTIVE DATE : 19880809
US4574184 A	19890619	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4574184 A	19930830	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4574184 A	19950503	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SHAWMUT CAPITAL CORPORATION, ILLINOIS OLDPARTY : PATENT, TRADEMARK AND LICENSE MORTGAGE; ASSIGNOR:FIFE CORPORATION; REEL/FRAME:007470/0669 EFFECTIVE DATE : 19950413
US4574184 A	19980301	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4574184 A	19980512	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19980304
US4574184 A	20180131	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4574184 A	20180131	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4574184 A	20050509	PEXP		Calculated Patent Term Expiry	

34) Family number: 28274274 (US2002174514A)

Title: HAND TOOL HANDLE MODIFICATION SYSTEM

Abstract: A hand-held instrument has a business end and a handle attached to the business end. The handle has a gripping portion and a longitudinal axis. A knob is provided on the gripping portion of the handle to facilitate the wielding of the hand-held instrument. The knob is disposed such that it projects away from the handle in a direction transverse to the longitudinal axis of the handle. In a preferred, but not required embodiment, the knob is removably attached to the handle by a quick release attachment device. In a typical, but not required, such embodiment, the quick release attachment device includes a male connection pin disposed within the knob and a female receptor disposed within the hand tool.

Classifications:
International (IPC 8-9): A47B95/02 B25G1/00 B25G1/10 B25G3/00 B26B3/00 (Advanced/Invention);
B25G1/00 (Advanced/Non-invention)
International (IPC 1-7): A47B95/02 B25G1/00 B25G3/00 E05B1/00
CPC: Y10S16/12 Y10S16/41 B26B3/00 B25G1/102 Y10T16/44 Y10T16/466 Y10T16/476 Y10T16/508
European: B25G1/10B B26B3/00
US: 16/110.1 16/110.100P 16/110R 16/421 16/430 16/430P 16/442 16/DIG.12 16/DIG.41 7/143 81/177.6 81/489



Family:

Publication number	Publication date	Application number	Application date
AU2001291318 AA	20021203	AU20010291318	20010917
CA2488368 AA	20041123	CA20012488368	20010917
US2002174514 AA	20021128	US20010864519	20010523
US2004154134 AA	20040812	US20040773992	20040206
US2007056144 AA	20070315	US20060345182	20060131
US6732411 BB	20040511	US20010864519	20010523
US7017236 BB	20060328	US20040773992	20040206
US7480964 BB	20090127	US20060345182	20060131
WO02094064 A1	20021128	WO2001US42205	20010917

Priority:

US20010864519 20010523 WO2001US42205 20010917 US20040773992 20040206 US20060345182 20060131

Probable Assignee: VIDAL JR MICHAEL A

Assignee(s): (std): VIDAL JR MICHAEL A ; VIDAL MICHAEL ; VIDAL MICHAEL A ; VIDAL MICHAEL A JR

Assignee(s): VIDAL JR

Inventor(s): (std): VIDAL JR MICHAEL A ; VIDAL MICHAEL ; VIDAL MICHAEL A ; VIDAL MICHAEL A JR

Inventor(s): VIDAL JR

Agent(s): SMART AND BIGGAR; SHELDON MAK ROSE AND ANDERSON PC; SHELDON AND MAK; DENTON L; ANDERSON DENTON L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL

SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2001291318 AA	20021203	LSPB	+	published / reissued	
CA2488368 AA	20041123	LSPB	+	published / reissued	
CA2488368 AA	20060822	LSES	+EEER	EXAMINATION REQUEST	
CA2488368 AA	20110217	LSLE	-FZDE	DEAD	
US2002174514 AA	20021128	LSPB	+	published / reissued	
US2004154134 AA	20040812	LSPB	+	published / reissued	
US2007056144 AA	20070315	LSPB	+	published / reissued	
US6732411 BB	20040511	LSGT	+	granted / extensions (spc, cpc, pte)	
US6732411 BB	20040422	LSGT	PAT1	Patented Case	
US6732411 BB	20071107	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6732411 BB	20120502	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6732411 BB	20160511	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6732411 BB	20160606	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6732411 BB	20160606	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6732411 BB	20160628	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20160511
US6732411 BB	20211119	PEXP		Calculated Patent Term Expiry (PTA 180 days)	
US7017236 BB	20060328	LSGT	+	granted / extensions (spc, cpc, pte)	
US7017236 BB	20090921	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7017236 BB	20140328	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7017236 BB	20140428	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7017236 BB	20140428	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7017236 BB	20140520	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20140328
US7017236 BB	20240206	PEXP		Calculated Patent Term Expiry	
US7480964 BB	20090127	LSGT	+	granted / extensions (spc, cpc, pte)	
US7480964 BB	20130127	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7480964 BB	20130225	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7480964 BB	20130225	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7480964 BB	20130319	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20130127

US7480964 BB	20260131	PEXP		Calculated Patent Term Expiry	
WO02094064 A1	20021128	LSPB	+	published / reissued	
WO02094064 A1	20040401	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO02094064 A1	20040721	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
WO02094064 A1	20041123	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2488368 COUNTRY OF REF DOCUMENT : CA
WO02094064 A1	20050913	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP

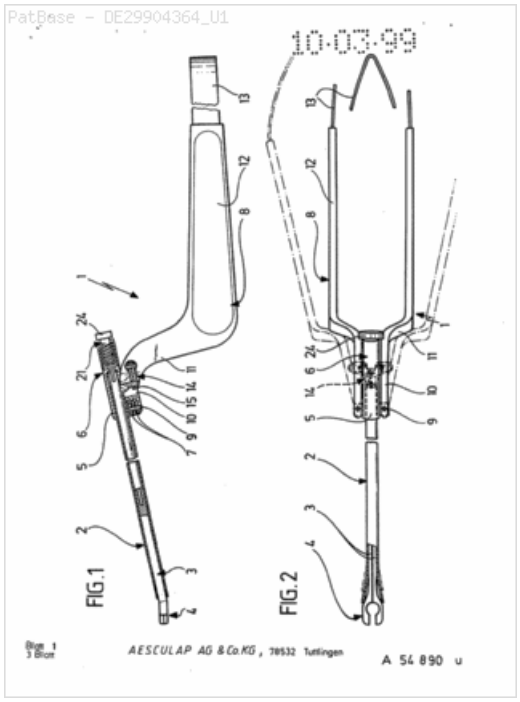
35) Family number: 16992287 (DE29904364U1)

Title: Surgical sliding shank instrument

Abstract: Source: DE29904364U1 [DE] (Claim 1) 1. Chirurgisches Schiebescha f t instrument mit einem d istalen und einem proximalen Ende mit einem rohrfoermigen Schaft und einer in diesem angeordnetenSchubstange, die durch Betaetigung eines am proximalen Ende angeordneten Betaetigungsgriffs inLaengsrichtung relativ zueinander verschiebbar sind und dadurch ein Werkzeug am distalen Endedes Schafts betaetigen, dadurch gekennzeichnet, dass die Schubstange (3) an ihrem proximalen Endeim Bereich des Betaetigungsgri ff s (8) in radialer Richtung elastisch verschiebbare Fixierelemente(17, 18) traegt, die in einer ausgefederten Fixierstellung Vorspruenge (2 0) an einer die Schubstange(3) in ihrem proximalen Endbereich aufnehmenden Halterung (6) hintergreifen und die Schubstange(3) dadurch gegen eine axiale Verschiebung gegenueber der Halterung (6) sichern und die ineiner eingefederten Freigabestellung an den Vorspruengen (20) in axialer Richtung vorbe i s chiebbarsind, und dass an der Halterung (6) ein verschiebbares Verriegelungselement (21) gelagert ist,welches in einer Verriegelungsstellung die die Vo rs pruenge (20) hintergreifenden Fixierelemente(17, 18) gegenueber einer radialen Verschiebung sichert, in einer Freigabestellung jedoch die radialeVerschiebung der Fixierelemente (17, 18) - 17 A 54 890 u 9. Maerz 1999 u-234/223derart ermoeglicht, dass die Fixierelemente (17, 18) aus ihrer die Vorspruenge (20) der Halterung(6) hintergreifenden Fixierstellung herausbewegbar sind.

Machine translation: (Claim 1) 1 Surgical Sliding damage ft instrument with a d istalen and a proximal end with a tubular shaft and a mounted rod in it, and that by operating a proximal end arranged Betaetigungsgriffs inLaengsrichtung relative to each other and operate by a tool at the distal-ended shaft, characterized in that the push rod (3) at its proximal Endeim range of Betaetigungsgri ff s (8) in the radial direction elastic movable **fixation** (17, 18) carries, in a full-feathered fixing position projections (2 0) to a push rod (3) proximal to its end-absorbing holder (6) reach behind and push rod (3), by failing over secured against an axial displacement of the holder (6) and the ina been sprung release position to the projections (20) in the axial direction reserved is chiebbarsind, and that on the bracket (6) a movable locking element (21) is mounted, which backs into a locked position to the Vo rs pruenge (20) interlocking **fixation** (17, 18) opposite a radial displacement, in a release position, however, the radially ever displacement of the fixing elements (17, 18) - 17 A 54 890 u 9th March 1999 u-234/223derart allows the **fixation** (17, 18) from the projections of (20) of the holder (6) interlocking fixing position are moved out.

Classifications:
International (IPC 8-9): A61B17/28 (Advanced/Invention);
A61B17/00 A61B19/00 A61B90/00 (Advanced/Non-invention);
A61B17/28 (Core/Invention);
A61B17/00 A61B19/00 (Core/Non-invention)
International (IPC 1-7): A61B17/00
CPC: A61B17/29 A61B17/2909 A61B2017/0046 A61B2017/2918 A61B2017/2919 A61B2017/292 A61B2017/2945 A61B2090/0813
European: A61B17/29 A61B17/29H K61B17/00H K61B17/29H6F K61B17/29H6L K61B17/29H6L2 K61B17/29J8 K61B19/48J



Family:

Publication number	Publication date	Application number	Application date
DE29904364 U1	19990715	DE19992004364U	19990310

Priority:
DE19992004364U 19990310

Probable Assignee: AESCULAP AND CO AG KG

Assignee(s): (std)**:** AESCULAP AG AND CO KG ; AESCULAP AND CO AG KG

Assignee(s): AESCULAP AG AND CO KG 78532 TUTTLINGEN DE ; AESCULAP AND CO 78532 TUTTLINGEN DE AG KG

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE29904364 U1	19990715	LSGT	+	granted / extensions (spc, cpc, pte)	
DE29904364 U1	19990715	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 19990715

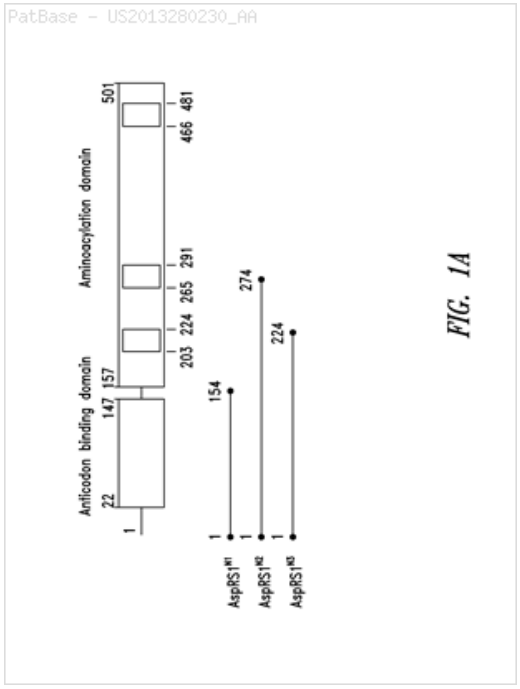
DE29904364 U1	20020912	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20020709
DE29904364 U1	20060105	LSLE	-R157	LAPSE OF IP RIGHT AFTER 6 YEARS	EFFECTIVE DATE : 20051001
DE29904364 U1	20090310	PEXP		Calculated Patent Term Expiry	

36) Family number: 50498289 (US2013280230A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF ASPARTYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K31/7088 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/53 A61K39/39 A61K39/395 A61K45/00 A61K47/42 A61K47/48 A61K48/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/00 A61P43/00 A61P7/00 A61P9/00 A61P9/14 C07H21/00 C07K1/00 C07K14/47 C07K16/18 C07K16/40 C07K19/00 C12M1/00 C12M1/40 C12N1/13 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/113 C12N15/52 C12N5/10 C12N9/00 C12N9/96 C12P21/02 C12Q1/25 C12Q1/68 G01N33/15 G01N33/483 G01N33/50 G01N33/53 G01N33/573 G01N37/00 (Advanced/Invention);
A61K38/00 (Advanced/Non-invention)
CPC: A61K38/00 G01N33/573 A61K38/53 C12Y601/01 G01N2333/9015 C07K2319/00 C07K2317/92 C07K2317/24 C12N9/93 C07K16/40
European: C07K16/40 K61K38/00
US: 1/1 424/135.1 424/94.3 424/94.5 435/183 435/188 435/375 435/6.12 435/7.4 506/2 506/8 514/17.1 530/350 530/387.9 530/389.3



Family:

Publication number	Publication date	Application number	Application date
AU2011279392 AA	20120119	AU20110279392	20110711
AU2011279392 BB	20170202	AU20110279392	20110711
AU2011279392 CA	20170615	AU20110279392	20110711
CA2804278 AA	20130102	CA20112804278	20110711
CN103124561 A	20130529	CN201180031752	20110711
CN103124561 B	20170503	CN201180031752	20110711
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EP2593124 A4	20150121	EP20110807357	20110711
EP2593124 B1	20170426	EP20110807357	20110711
IN00216CN2013 A	20160831	IN2013CN00216	20130109
JP2013539359 T2	20131024	JP20130519749T	20110711
JP2016053018 A2	20160414	JP20150170197	20150831
JP5991973 B2	20160914	JP20130519749T	20110711
KR20130100268 A	20130910	KR20137003453	20110711
KR20180059575 A	20180604	KR20187014753	20110711
NZ603811 A	20150327	NZ20110603811	20110711
US2013280230 AA	20131024	US20110809750	20110711
US2015252349 AA	20150910	US20150598717	20150116
US2017002091 AA	20170105	US20160067645	20160311
US2019203194 AA	20190704	US20190250625	20190117
US8969301 BB	20150303	US20110809750	20110711
US9315794 BB	20160419	US20150598717	20150116
WO12009289 A2	20120119	WO2011US43596	20110711
WO12009289 A3	20120426	WO2011US43596	20110711

Priority:

US20100363583P 20100712
US20100363586P 20100712
US20100363589P 20100712
EP20110807357 20110711
JP20130519749T 20110711
US20110809750 20110711
WO2011US43596 20110711
US20130809750 20130711
US20150598717 20150116
US20160067645 20160311
US20190250625 20190117

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Assignee(s): PANGU BIOPHARMA LIMITED ; ATYR PHARMA INC SAN DIEGO

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Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2011279392 AA	20120119	LSPB	+	published / reissued	
AU2011279392 AA	20170323	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011279392 AA	20170615	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011279392 AA	20170622	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011279392 BB	20170202	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011279392 BB	20310711	PEXP		Calculated Patent Term Expiry	
CA2804278 AA	20130102	LSPB	+	published / reissued	
CA2804278 AA	20160621	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160613
CN103124561 A	20130529	LSPB	+	published / reissued	
CN103124561 A	20130529	LSPB	+C06	PUBLICATION	
CN103124561 A	20170503	LSGT	+GR01	PATENT GRANT	
CN103124561 B	20170503	LSGT	+	granted / extensions (spc, cpc, pte)	
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EA030461 B1	20180831	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP2593124 A2	20130522	LSPB	+	published / reissued	
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EP2593124 B1	20170428	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
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JP2013539359 T2	20131024	LSPB	+	published / reissued	
JP2013539359 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013539359 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013539359 T2	20150604	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150603
JP2013539359 T2	20150703	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150617
JP2013539359 T2	20150831	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150831
JP2013539359 T2	20160107	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160106
JP2013539359 T2	20160607	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160607
JP2013539359 T2	20160623	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20160607
JP2013539359 T2	20160722	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013539359 T2	20160728	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160728
JP2013539359 T2	20160825	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160816

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JP2013539359 T2	20160826	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5991973 COUNTRY OF REF DOCUMENT : JP
JP2016053018 A2	20160414	LSPB	+	published / reissued	
JP2016053018 A2	20160615	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160615
JP2016053018 A2	20161227	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20161227
JP2016053018 A2	20170119	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20161227
JP5991973 B2	20160914	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5991973 B2	20160804	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5991973 B2	20160823	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5991973 B2	20160826	LSGT	+R150	特許証 (Patent certificate)	
JP5991973 B2	20310711	PEXP		Calculated Patent Term Expiry	
KR20130100268 A	20130910	LSPB	+	published / reissued	
KR20130100268 A	20160711	LSRE	AMND	AMENDMENT	
KR20130100268 A	20170728	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20130100268 A	20170922	LSRE	AMND	AMENDMENT	
KR20130100268 A	20180223	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR20130100268 A	20180524	LSRE	AMND	AMENDMENT	
KR20180059575 A	20180604	LSPB	+	published / reissued	
KR20180059575 A	20180725	LSDW	-WITN	WITHDRAWAL DUE TO NO REQUEST FOR EXAMINATION	
NZ603811 A	20150327	LSPB	+	published / reissued	
NZ603811 A	20150731	LSGT	+PSEA	PATENT SEALED	
NZ603811 A	20150828	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 11 JUL 2016 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20150818
NZ603811 A	20160624	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 11 JUL 2017 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20160618
NZ603811 A	20170630	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 11 JUL 2018 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20170620
NZ603811 A	20180629	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 11 JUL 2019 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20180619
US2013280230 AA	20131024	LSPB	+	published / reissued	
US2013280230 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF

					ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0745 EFFECTIVE DATE : 20130418
US2013280230 AA	20150211	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015252349 AA	20150910	LSPB	+	published / reissued	
US2015252349 AA	20151119	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:037089/0953 EFFECTIVE DATE : 20130418
US2015252349 AA	20151119	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:037089/0968
US2015252349 AA	20160330	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017002091 AA	20170105	LSPB	+	published / reissued	
US2017002091 AA	20160921	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130513; REEL/FRAME:040096/0123
US2017002091 AA	20160921	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:040096/0243 EFFECTIVE DATE : 20130418
US2017002091 AA	20180323	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017002091 AA	20180327	LSES	NFA1	Non Final Action Mailed	
US2017002091 AA	20190423	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2019203194 AA	20190704	LSPB	+	published / reissued	
US2019203194 AA	20190117	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:048052/0969
US2019203194 AA	20190117	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:048052/0989 EFFECTIVE DATE : 20130418
US8969301 BB	20150303	LSGT	+	granted /	

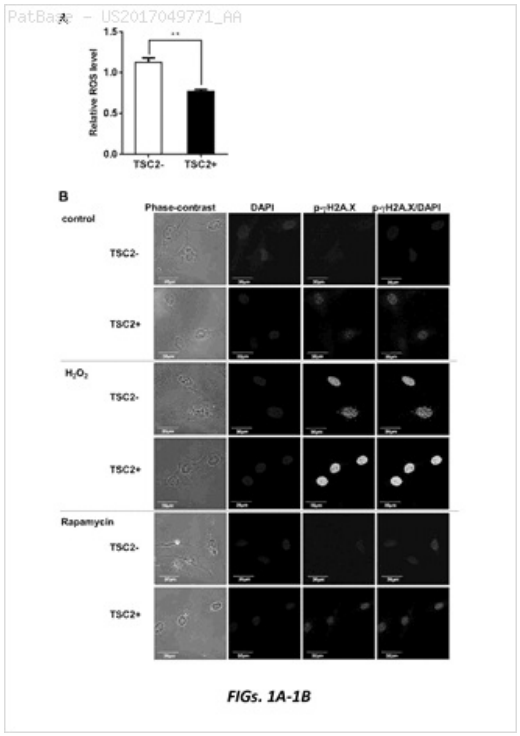
				extensions (spc, cpc, pte)	
US8969301 BB	20150211	LSGT	PAT1	Patented Case	
US8969301 BB	20180904	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8969301 BB	20310711	PEXP		Calculated Patent Term Expiry	
US9315794 BB	20160419	LSGT	+	granted / extensions (spc, cpc, pte)	
US9315794 BB	20151209	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9315794 BB	20160314	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9315794 BB	20160330	LSGT	PAT1	Patented Case	
US9315794 BB	20350116	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO12009289 A2	20120119	LSPB	+	published / reissued	
WO12009289 A2	20110711	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180031752.9 COUNTRY OF REF DOCUMENT : CN
WO12009289 A3	20121227	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013519749 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12009289 A3	20130102	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2804278 COUNTRY OF REF DOCUMENT : CA
WO12009289 A3	20130114	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12009289 A3	20130204	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011807357 COUNTRY OF REF DOCUMENT : EP
WO12009289 A3	20130208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20137003453 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12009289 A3	20130211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201390094 COUNTRY OF REF DOCUMENT : EA
WO12009289 A3	20130221	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011279392 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110711 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12009289 A3	20130711	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13809750 COUNTRY OF REF DOCUMENT : US

37) Family number: 60689295 (US2017049771A)

Title: TARGETING PARP1 FOR TREATMENT OF TSC AND CANCERS

Abstract: The present invention relates to methods of treating a condition associated with mTORC1 hyperactivation or TSC2-deficient cancer, the method comprising administering to a subject having the cancer a pharmaceutically-effective amount of a poly(ADP-ribose) polymerase 1 (PARP1) inhibitor. In some embodiments, the condition associated with mTORC1 hyperactivation is tuberous sclerosis complex (TSC). In some embodiments, the condition associated with mTORC1 hyperactivation is lymphangioleiomyomatosis (LAM). In some embodiments, the condition associated with mTORC1 hyperactivation is TSC2-deficient cancer.

Classifications:
International (IPC 8-9): A61K31/4725 A61K31/4985 A61K31/502 A61K31/517 A61K31/713 A61K38/00 A61K48/00 C12N15/113 C12P19/34 (Advanced/Invention)
CPC: A61K31/4985 C12N15/1137 C12Y204/0203 A61K31/502 C12N2310/14 A61K31/4725 A61K31/517 A61K31/713 A61K38/00 C12N15/113
US: 514/44A



FIGs. 1A-1B

Family:

Publication number	Publication date	Application number	Application date
US2017049771 AA	20170223	US20150305883	20150423
US2019091220 AA	20190328	US20180963510	20180426
US9987275 BB	20180605	US20150305883	20150423
WO15164586 A1	20151029	WO2015US27264	20150423

Priority:

US20140983078P 20140423 US20150305883 20150423 WO2015US27264 20150423
US20160305883 20161021 US20180963510 20180426

Probable Assignee: BRIGHAM AND WOMEN S HOSPITAL INC

Assignee(s): (std): BRIGHAM AND WOMEN S HOSPITAL INC ; BRIGHAM AND WOMENS HOSPITAL ; BRIGHAM AND WOMENS HOSPITAL INC ; LEE PO SHUN

Assignee(s): NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; BRIGHAM AND WOMEN S HOSPITAL

Inventor(s): (std): YU JANE ; SUN YANG ; LEE PO SHUN

Agent(s): MARK J; SRIVIDYA; NIXON PEABODY LLP; RESNICK DAVID S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017049771 AA	20170223	LSPB	+	published / reissued	
US2017049771 AA	20170608	LSES	NFA1	Non Final Action Mailed	
US2017049771 AA	20180124	LSES	+NAM1	Notice of Allowance Mailed --	

				Application Received in Office of Publications	
US2017049771 AA	20180430	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2017049771 AA	20180516	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019091220 AA	20190328	LSPB	+	published / reissued	
US2019091220 AA	20181211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL INSTITUTES OF HEALTH (NIH), U.S. DEPT. OF OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:BRIGHAM AND WOMEN'S HOSPITAL; REEL/FRAME:047769/0896 EFFECTIVE DATE : 20181204
US2019091220 AA	20190225	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE BRIGHAM AND WOMEN'S HOSPITAL, INC., MASSACHUSE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:YU, JANE J.; SUN, YANG; LEE, PO-SHUN; SIGNING DATES FROM 20150505 TO 20150803; REEL/FRAME:048423/0270
US9987275 BB	20180605	LSGT	+	granted / extensions (spc, cpc, pte)	
US9987275 BB	20161222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE BRIGHAM AND WOMEN'S HOSPITAL, INC., MASSACHUSE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:YU, JANE J.; LEE, PO-SHUN; SUN, YANG; SIGNING DATES FROM 20150505 TO 20150803; REEL/FRAME:040745/0196
US9987275 BB	20180516	LSGT	PAT1	Patented Case	
US9987275 BB	20180918	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE BRIGHAM AND WOMEN'S HOSPITAL, MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:YU, JANE J.; SUN, YANG; LEE, PO-SHUN; SIGNING DATES FROM 20150505 TO 20150803; REEL/FRAME:046900/0548
US9987275 BB	20181211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL INSTITUTES OF HEALTH (NIH), U.S. DEPT. OF OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:BRIGHAM AND WOMEN'S HOSPITAL; REEL/FRAME:047768/0676 EFFECTIVE DATE : 20181129
US9987275 BB	20350423	PEXP		Calculated Patent Term Expiry	
WO15164586 A1	20151029	LSPB	+	published / reissued	
WO15164586 A1	20161021	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15305883 COUNTRY OF REF DOCUMENT : US
WO15164586 A1	20161024	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15164586 A1	20170524	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15783798 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

38) Family number: 50916297 (US2013330312A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF TRYPTOPHANYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:

International (IPC 8-9): A61K31/7105 A61K31/711 A61K31/713 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/43 A61K38/53 A61K39/39 A61K39/395 A61K45/00 A61K47/34 A61K47/48 A61K48/00 A61P11/00 A61P11/06 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/06 A61P3/10 A61P31/00 A61P35/00 A61P37/00 A61P37/02 A61P37/06 A61P43/00 A61P7/00 A61P9/00 A61P9/10 A61P9/14 C07K16/40 C07K19/00 C12M1/00 C12M1/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/52 C12N5/00 C12N5/10 C12N9/00 C12N9/88 C12N9/96 C12P21/06 C12Q1/02 C12Q1/25 C12Q1/48 C12Q1/68 G01N33/15 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N33/573 G01N33/68 G01N37/00 (Advanced/Invention)

CPC: C12N9/93 A61K38/53 C07K16/40 C07K2317/21 C07K2317/92 C12Y601/01 A61K38/00

European: A61K38/53 C07K16/40 M07K317/210 M07K317/920

US: 1/1 424/450 424/94.3 424/94.5 435/183 435/375 435/7.4 530/387.9

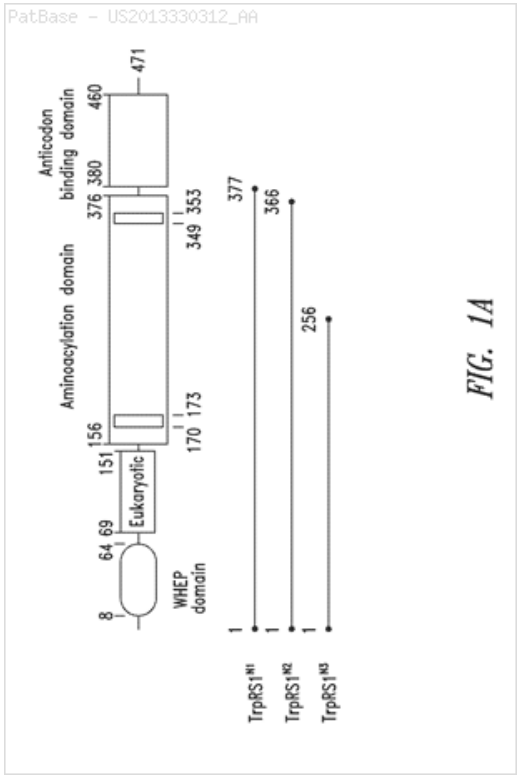


FIG. 1A

Family:

Publication number	Publication date	Application number	Application date
AU2011311956 AA	20120412	AU20110311956	20111006
AU2011311956 BB	20170202	AU20110311956	20111006
AU2011311956 CA	20170615	AU20110311956	20111006
CA2812795 AA	20130326	CA20112812795	20111006
CN103118696 A	20130522	CN201180032411	20111006
DE602011040256 D1	20170914	DE201160040256T	20111006
EP2624857 A2	20130814	EP20110831608	20111006
EP2624857 A4	20140409	EP20110831608	20111006
EP2624857 B1	20170802	EP20110831608	20111006
ES2645019 T3	20171201	ES20110831608T	20111006
JP2013544779 T2	20131219	JP20130532947T	20111006
JP2016000052 A2	20160107	JP20150186665	20150924
JP6039566 B2	20161207	JP20130532947T	20111006
US2013330312 AA	20131212	US20110877899	20111006
US2017029799 AA	20170202	US20160179714	20160610
US9399770 BB	20160726	US20110877899	20111006
WO12048125 A2	20120412	WO2011US55130	20111006
WO12048125 A3	20120705	WO2011US55130	20111006

Priority:

US20100390555P 20101006 US20100390554P 20101006 US20100390553P 20101006
EP20110831608 20111006 JP20130532947T 20111006 US20110877899 20111006
WO2011US55130 20111006 US20130877899 20130806 US20160179714 20160610

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): CHIANG KYLE P ; GREENE LESLIE ANN ; HONG FEI ; LO WING SZE ; MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; WATKINS JEFFRY D ; QUINN CHERYL L ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY DEAN ; ATYR PHARMA INC

Assignee(s): ATYR PHARMA INC SAN DIEGO ; PANGU BIOPHARMA LIMITED

Inventor(s): (std): ALAIN P VASSEROT ; CHERYL L QUINN ; CHIANG KYLE P ; GREENE LESLIE ANN ; HONG FEI ; JEFFRY D WATKINS ; JOHN D MENDLEIN ; KYLE P CHIANG ; LESLLE ANN GREENE ; LO WING SZE ; MENDLEIN JOHN D ; QUINN CHERYL L ; VASSEROT ALAIN P ; WATKINS JEFFRY D ; WATKINS JEFFRY DEAN ; VASSEROT ALAIN PHILIPPE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; VALLEJO

JUAN PEDRO; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011311956 AA	20120412	LSPB	+	published / reissued	
AU2011311956 AA	20170323	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011311956 AA	20170615	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 MAR 2017
AU2011311956 AA	20170622	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011311956 BB	20170202	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011311956 BB	20311006	PEXP		Calculated Patent Term Expiry	
CA2812795 AA	20130326	LSPB	+	published / reissued	
CA2812795 AA	20160928	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160922
CN103118696 A	20130522	LSPB	+	published / reissued	
CN103118696 A	20130522	LSPB	+C06	PUBLICATION	
EP2624857 A2	20130814	LSPB	+	published / reissued	
EP2624857 A2	20130814	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130502
EP2624857 A2	20140402	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/08 20060101ALI20140225BHEP
EP2624857 A2	20140402	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/10 20060101ALI20140225BHEP
EP2624857 A2	20140402	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/00 20060101ALI20140225BHEP
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EP2624857 A2	20140402	LSRE	RIC1	INFORMATION	CLASSIFICATIONSCHEME : IPC

				PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20140225BHEP
EP2624857 A2	20140402	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 9/00 20060101ALI20140225BHEP
EP2624857 A4	20140409	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140306
EP2624857 A4	20160120	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20151217
EP2624857 A4	20170405	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170306
EP2624857 B1	20170802	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2624857 B1	20170802	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2624857 B1	20170815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2624857 B1	20170815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 913730 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170815
EP2624857 B1	20170823	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2624857 B1	20170914	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011040256 COUNTRY OF REF DOCUMENT : DE
EP2624857 B1	20171023	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2624857 B1	20171201	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2645019 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20171201
EP2624857 B1	20171215	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 913730 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170802
EP2624857 B1	20171227	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171102
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20171023 YEAR OF FEE PAYMENT : 7
EP2624857 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20171016 YEAR OF FEE PAYMENT : 7
EP2624857 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171102
EP2624857 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171202
EP2624857 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171103

EP2624857 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20171024 YEAR OF FEE PAYMENT : 7
EP2624857 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20171103 YEAR OF FEE PAYMENT : 7
EP2624857 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20171128 YEAR OF FEE PAYMENT : 7
EP2624857 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180503	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011040256 COUNTRY OF REF DOCUMENT : DE
EP2624857 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180531	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL

EP2624857 B1	20180711	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180503
EP2624857 B1	20180725	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2624857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171031
EP2624857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171031
EP2624857 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171006
EP2624857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170802
EP2624857 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171031
EP2624857 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171006
EP2624857 B1	20181025	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2624857 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171006
EP2624857 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20181029 YEAR OF FEE PAYMENT : 8
EP2624857 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20181029 YEAR OF FEE PAYMENT : 8
EP2624857 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20181025 YEAR OF FEE PAYMENT : 8
EP2624857 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20181102 YEAR OF FEE PAYMENT : 8
EP2624857 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20181023 YEAR OF FEE PAYMENT : 8

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	
EP2624857 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20111006
EP2624857 B1	20311006	PEXP		Calculated Patent Term Expiry	
ES2645019 T3	20171201	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2645019 T3	20311006	PEXP		Calculated Patent Term Expiry	
JP2013544779 T2	20131219	LSPB	+	published / reissued	
JP2013544779 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013544779 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013544779 T2	20150326	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150325
JP2013544779 T2	20150924	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150924
JP2013544779 T2	20151013	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150924
JP2013544779 T2	20160304	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160303
JP2013544779 T2	20160701	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160701
JP2013544779 T2	20160713	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160712
JP2013544779 T2	20160908	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160908
JP2013544779 T2	20160913	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160913
JP2013544779 T2	20161007	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013544779 T2	20161013	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20161013
JP2013544779 T2	20161110	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20161104
JP2013544779 T2	20161111	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6039566 COUNTRY OF REF DOCUMENT : JP

JP2016000052 A2	20160107	LSPB	+	published / reissued	
JP2016000052 A2	20160628	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160628
JP2016000052 A2	20161226	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20161226
JP6039566 B2	20161207	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6039566 B2	20161020	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6039566 B2	20161108	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6039566 B2	20161111	LSGT	+R150	特許証 (Patent certificate)	
JP6039566 B2	20311006	PEXP		Calculated Patent Term Expiry	
US2013330312 AA	20131212	LSPB	+	published / reissued	
US2013330312 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0745 EFFECTIVE DATE : 20130418
US2013330312 AA	20160127	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:037598/0354
US2013330312 AA	20160127	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:037598/0215 EFFECTIVE DATE : 20130418
US2013330312 AA	20160705	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017029799 AA	20170202	LSPB	+	published / reissued	
US2017029799 AA	20161019	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:040422/0910 EFFECTIVE DATE : 20130418
US2017029799 AA	20161019	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANNE; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:040422/0960
US2017029799 AA	20180227	LSES	NFA1	Non Final Action Mailed	
US2017029799 AA	20180711	LSES	NFA1	Non Final Action Mailed	
US9399770 BB	20160726	LSGT	+	granted / extensions (spc, cpc, pte)	

US9399770 BB	20160705	LSGT	PAT1	Patented Case	
US9399770 BB	20311006	PEXP		Calculated Patent Term Expiry	
WO12048125 A2	20120412	LSPB	+	published / reissued	
WO12048125 A2	20111006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180032411.3 COUNTRY OF REF DOCUMENT : CN
WO12048125 A3	20130307	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011311956 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20111006 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12048125 A3	20130322	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013532947 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12048125 A3	20130326	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2812795 COUNTRY OF REF DOCUMENT : CA
WO12048125 A3	20130408	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12048125 A3	20130502	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011831608 COUNTRY OF REF DOCUMENT : EP
WO12048125 A3	20130806	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13877899 COUNTRY OF REF DOCUMENT : US

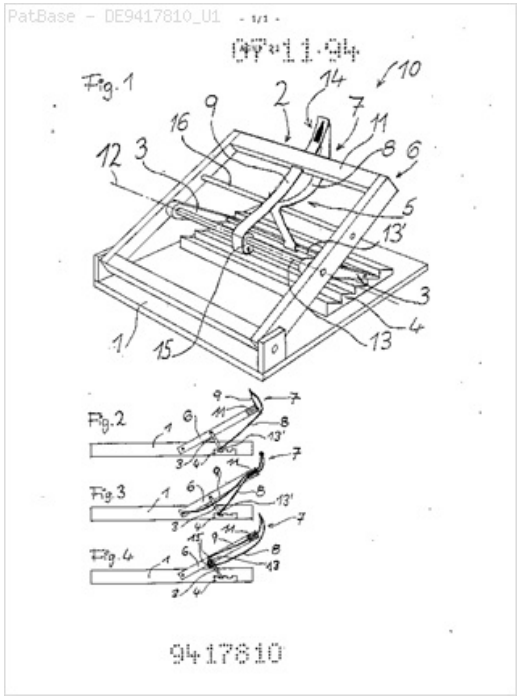
39) Family number: 17117311 (DE9417810U1)

Title: VERSTELLBARE SCHIEFE EBENE, INSBESONDERE FUER BETTEN Adjustable Inclined Plane, PARTICULARLY FOR BEDS (Machine translation)

Abstract: Source: DE9417810U1 [DE] (Claim 1) 1. Verstellbare Schiefe Ebene (10), insbesondere in einem Bett, bei der eine Schwenkebene (6) in einem Traeger (1) schwenkbar gelagert ist, ueber Stuetzhebel (3) und Rastvorrichtungen (4), die untereinander in Abstuetzungseingriff stehen, am Traeger (1) abgestuetzt wird und auf ihrer vom Traeger (1) meistbeabstandeten Seite (2) eine ueber sie hinausragende, von einem Zugmittel (5) gebildete Schlaufe (7) traegt, dadurch gekennzeichnet, dass die Schlaufe (7) aus Loesetrum (8) und Haltetrum (9) des Zugmittels (5) gebildet wird, wobei sich das Loesetrum (8) unterhalb zumindest eines Teils eines nahe der vom Traeger (1) meistbeabstandeten Seite (2) der Schwenkebene (6) liegenden Querholms (11) befindet, und so gefuehrt und mit den Stuetzhebeln (3) oder den Rastvorrichtungen (4) so gekoppelt ist, dass bei Auftreten von Zugkraeften in diesem Loesetrum (8) der Abstuetzungseingriff geloest wird und das Haltetrum (9) an der Schiefen Ebene (10) festgelegt, aber nicht in dieser Weise gefuehrt und gekoppelt ist.

Machine translation: (Claim 1) 1 Adjustable incline (10), especially in a bed in a swing plane (6) in a Traeger (1) is pivotally mounted, about Stuetzhebel (3) and locking devices (4), which are inter-Abstuetzungseingriff, at Traeger (1) is supported and on her by Traeger (1) meistbeabstandeten page (2) one over them protruding from a traction means (5) formed loop (7) carries, wherein the loop (7) from Loesetrum (8) and Haltetrum (9) of the traction means (5) is formed, which is the Loesetrum (8) below at least a portion of an area close by the carrier (1) meistbeabstandeten page (2) of the swing plane (6) cross member (11), and so kept and with the Stuetzhebeln (3) or the locking devices (4) coupled such that is dissolved upon the occurrence of tensile forces in this Loesetrum (8) of Abstuetzungseingriff and Haltetrum (9) on the inclined plane (10) set, but not in way out and this is coupled.

Classifications:
International (IPC 8-9): A47C20/04 (Advanced/Invention); A47C20/00 (Core/Invention)
International (IPC 1-7): A47C20/04 A47C20/14 A47C23/06
CPC: A47C20/043
European: A47C20/04C



Family:

Publication number	Publication date	Application number	Application date
AT933 U1	19960826	AT19950000600U	19951106
DE9417810 U1	19950504	DE19940017810U	19941107

Priority:
DE19940017810U 19941107

Probable Assignee: HEERKLOTZ SIEGFRIED
Assignee(s): (std): HEERKLOTZ SIEGFRIED
Assignee(s): HEERKLOTZ SIEGFRIED DIPL ING ; HEERKLOTZ SIEGFRIED DIPL ING 49143 BISSENDORF DE

Legal status (INPADOC)

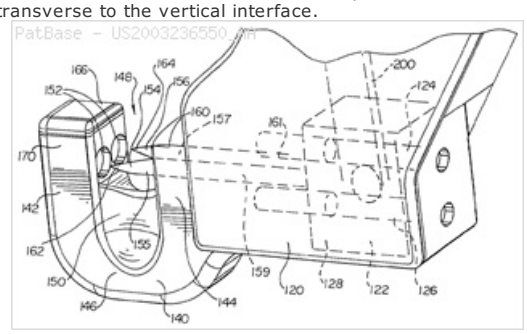
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Patent	Date recorded	Event group	Code	Event	Details
AT933 U1	19960826	LSGT	+	granted / extensions (spc, cpc, pte)	
AT933 U1	19980715	LSLE	-MM9K	LAPSE DUE TO NON-PAYMENT OF RENEWAL FEE	
AT933 U1	20051106	PEXP		Calculated Patent Term Expiry	
DE9417810 U1	19950504	LSGT	+	granted / extensions (spc, cpc, pte)	
DE9417810 U1	20041107	PEXP		Calculated Patent Term Expiry	

40) Family number: 30123312 (US2003236550A)

Title: MECHANICAL METHOD AND APPARATUS FOR BILATERAL TISSUE FASTENING

Abstract: A mechanical system for bilaterally securing skin tissue preferably utilizes a tissue manipulator apparatus to approximate a portion of an interior surface of each of two pieces of living dermis tissue along a vertical interface below an exterior surface without overlapping either interior surface across the vertical interface. An applicator apparatus includes a driving head portion positioned in the vertical interface and at least partially below the exterior surface and a handle portion positioned at least partially above the exterior surface. The applicator apparatus bilaterally drives at least one portion of the fastener through each piece of the living dermis tissue behind the interior surface of that piece of tissue such that the fastener is positioned below the exterior surface and a portion of the fastener is positioned generally transverse to the vertical interface.



Classifications:
International (IPC 8-9): A61B17/02 A61B17/03 A61B17/04 A61B17/064 A61B17/068 A61B17/08 A61B17/10 A61D1/00 G04C3/00 G06F1/16 G06F3/02 G06F3/0362 (Advanced/Invention);
A61B17/00 A61B17/08 A61B17/10 A61B17/28 A61B17/30 (Advanced/Non-invention)
International (IPC 1-7): A61B1/00 A61B17/02 A61B17/068 A61B17/08 A61B17/10 A61D1/00
CPC: A61B17/064 A61B17/0644 A61B17/068 A61B17/282 A61B17/30 A61B2017/00004 A61B2017/081 A61B17/10 A61B17/08 A61B17/0682 G06F3/02 G06F1/163 G04C3/005 G06F3/0362 A61B2017/00407
European: A61B17/064 A61B17/064D A61B17/068 A61B17/068B K61B17/00A K61B17/08A K61B17/28D4 K61B17/30
US: 227/175.1 227/175.100P 227/175.100S 227/176.1 368/295 606/142 606/142S 606/143 606/143P 606/144 606/151 606/151S 606/213 606/213P 606/216 606/216P 606/216S 606/219 606/219P 606/219S 606/220 606/75 D24/145
Locarno class: 24/02

Family:

Publication number	Publication date	Application number	Application date
AU2003251616 AA	20040106	AU20030251616	20030625
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AU2003279285 AA	20040106	AU20030279285	20030625
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WO04000104 A3	20050217	WO2003US19948	20030625
WO04000105 A2	20031231	WO2003US20083	20030625
WO04000105 A3	20041125	WO2003US20083	20030625

Priority:

US20020179628 20020625
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US20160145914 20160504 US20170630461 20170622 US20180059369 20180809

Probable Assignee: INCISIVE SURGICAL INC

Assignee(s): (std): GRYSKIEWICZ JOSEPH M ; HERRIDGE DAVID B ; INCISIVE SURGICAL INC ; PETERSON JAMES A ; SMITH DELMER L ; SPERRY CHRISTOPHER J

Inventor(s): (std): PETERSON JAMES A ; SPERRY CHRISTOPHER J ; GRYSKIEWICZ JOSEPH M ; SMITH DELMER L ; PETERSON JAMES ; CHRISTOPHER J SPERRY ; JOSEPH M GRYSKIEWICZ ; DELMER L SMITH ; JAMES A PETERSON ; NAEGLI CHAD D ; SHANNON JR JOHN L ; HERRIDGE DAVID B ; STOEN DAVID M

Inventor(s): JR JOHN L ; SHANNON ; SPERRY CHRISTOPHER ; SMITH DELMER ; GRYSKIEWICZ JOSEPH

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2003251616 AA	20040106	LSPB	+	published / reissued	
AU2003279285 AA	20040106	LSPB	+	published / reissued	
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EP1531736 A4	20110406	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20110308
EP1531736 A4	20170628	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170531
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EP1531736 B1	20171221	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 60350768 COUNTRY OF REF DOCUMENT : DE
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EP1545385 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170720
EP1545385 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170628 YEAR OF FEE PAYMENT : 15
EP1545385 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170719
EP1545385 B1	20180122	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 60350138 COUNTRY OF REF DOCUMENT : DE
EP1545385 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				FROM NATIONAL OFFICE TO EPO]	LAPSED DATE : 20170419
EP1545385 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180131	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1545385 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180321	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1545385 B1	20180328	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180122
EP1545385 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170630
EP1545385 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170630
EP1545385 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170625
EP1545385 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170625

				FROM NATIONAL OFFICE TO EPO]	
EP1545385 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170419
EP1545385 B1	20180626	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 16
EP1545385 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180625 YEAR OF FEE PAYMENT : 16
EP1545385 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170630
EP1545385 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180626 YEAR OF FEE PAYMENT : 16
EP1545385 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180620 YEAR OF FEE PAYMENT : 16
EP1545385 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20030625
EP1545385 B1	20230625	PEXP		Calculated Patent Term Expiry	
JP2005530563 T2	20051013	LSPB	+	published / reissued	
JP2005530563 T2	20060512	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20060511
JP2005530563 T2	20090527	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090526
JP2005530563 T2	20090926	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090925
JP2005530563 T2	20100113	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100112
JP2005530563 T2	20100609	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100608
JP2005530563 T2	20100625	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20100608

JP2005530563 T2	20100730	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100712
JP2005530563 T2	20110105	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110104
JP2005530563 T2	20110526	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110525
JP2005530563 T2	20110613	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2005530563 T2	20110622	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20110621
JP2005530563 T2	20110623	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2005530563 T2	20110721	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110714
JP2005530563 T2	20110722	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2005530563 T2	20110725	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2005530567 T2	20051013	LSPB	+	published / reissued	
JP2005530567 T2	20060512	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20060511
JP2005530567 T2	20090701	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090630
JP2005530567 T2	20091029	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20091028
JP2005530567 T2	20091201	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2005530567 T2	20091209	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20091208
JP2005530567 T2	20091210	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2005530567 T2	20100114	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20091218

JP2005530567 T2	20100115	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2005530567 T2	20100115	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4437317 B2	20100324	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4437317 B2	20100112	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20121227	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4437317 B2	20130108	LSFE	+R250	年金領収書, 年金領収書 (分納) (Pension receipt, annuity receipt (scheduled))	
JP4437317 B2	20131226	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20140107	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4437317 B2	20141225	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20150106	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4437317 B2	20160104	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20160112	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4437317 B2	20170112	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20170117	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4437317 B2	20180111	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20180116	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4437317 B2	20190117	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4437317 B2	20190122	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4437317 B2	20230625	PEXP		Calculated Patent Term Expiry	
JP4786902 B2	20111005	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4786902 B2	20110719	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4786902 B2	20140710	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4786902 B2	20140715	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

JP4786902 B2	20150709	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4786902 B2	20150714	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4786902 B2	20160714	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4786902 B2	20160719	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4786902 B2	20170713	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4786902 B2	20170718	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4786902 B2	20180712	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4786902 B2	20180724	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4786902 B2	20230625	PEXP		Calculated Patent Term Expiry	
US2003236550 AA	20031225	LSPB	+	published / reissued	
US2003236550 AA	20040408	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2003236551 AA	20031225	LSPB	+	published / reissued	
US2003236551 AA	20100310	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2004059377 AA	20040325	LSPB	+	published / reissued	
US2004059377 AA	20110511	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2004059378 AA	20040325	LSPB	+	published / reissued	
US2004059378 AA	20060906	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005085857 AA	20050421	LSPB	+	published / reissued	
US2005085857 AA	20090527	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005149064 AA	20050707	LSPB	+	published / reissued	
US2005149064 AA	20080310	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HERRIDGE, DAVID B; REEL/FRAME:020625/0450 EFFECTIVE DATE : 20071029
US2005149064 AA	20111122	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005182444 AA	20050818	LSPB	+	published / reissued	
US2005182444 AA	20111007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20030922 TO 20071029; REEL/FRAME:027031/0452

US2005182444 AA	20111109	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2012145765 AA	20120614	LSPB	+	published / reissued	
US2012145765 AA	20111208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20031013 TO 20071114; REEL/FRAME:027350/0838
US2012145765 AA	20130630	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2013267997 AA	20131010	LSPB	+	published / reissued	
US2013267997 AA	20140813	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015112369 AA	20150423	LSPB	+	published / reissued	
US2015112369 AA	20140828	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20031013 TO 20071114; REEL/FRAME:033630/0735
US2015112369 AA	20150917	LSES	NFA1	Non Final Action Mailed	
US2015112369 AA	20170328	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016242772 AA	20160825	LSPB	+	published / reissued	
US2016242772 AA	20170217	LSES	NFA1	Non Final Action Mailed	
US2016242772 AA	20170616	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016242772 AA	20170703	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017303920 AA	20171026	LSPB	+	published / reissued	
US2017303920 AA	20170622	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20031013 TO 20071114; REEL/FRAME:042789/0498
US2017303920 AA	20171004	LSES	NFA1	Non Final Action Mailed	
US2017303920 AA	20180821	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2018348888 AA	20181206	LSPB	+	published / reissued	
US2018348888 AA	20181123	LSES	NFA1	Non Final Action Mailed	
US2018348888 AA	20190530	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SPERRY, CHRISTOPHER J.; PETERSON, JAMES A.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS;

					SIGNING DATES FROM 20190418 TO 20190512; REEL/FRAME:049321/0049
US6726705 BB	20040427	LSGT	+	granted / extensions (spc, cpc, pte)	
US6726705 BB	20020625	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:PETERSON, JAMES; REEL/FRAME:013050/0713 EFFECTIVE DATE : 20020625
US6726705 BB	20021008	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; REEL/FRAME:013374/0801; SIGNING DATES FROM 20020909 TO 20020911
US6726705 BB	20040408	LSGT	PAT1	Patented Case	
US6726705 BB	20051025	LSRE	CC	CERTIFICATE OF CORRECTION	
US6726705 BB	20060801	LSRE	CC	CERTIFICATE OF CORRECTION	
US6726705 BB	20061110	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : CHANGE OF ASSIGNEES ADDRESS; ASSIGNOR:INCISIVE SURGICAL, INC.; REEL/FRAME:018515/0269 EFFECTIVE DATE : 20061110
US6726705 BB	20070927	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6726705 BB	20110923	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6726705 BB	20151027	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6726705 BB	20220929	PEXP		Calculated Patent Term Expiry (PTA 96 days)	
US7112214 BB	20060926	LSGT	+	granted / extensions (spc, cpc, pte)	
US7112214 BB	20031106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; REEL/FRAME:014671/0273; SIGNING DATES FROM 20030922 TO 20031031
US7112214 BB	20060906	LSGT	PAT1	Patented Case	
US7112214 BB	20061110	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : CHANGE OF ADDRESS; ASSIGNOR:INCISIVE SURGICAL, INC.; REEL/FRAME:018515/0252 EFFECTIVE DATE : 20061110
US7112214 BB	20100326	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7112214 BB	20111007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HERRIDGE, DAVID B.; REEL/FRAME:027031/0784 EFFECTIVE DATE : 20071029
US7112214 BB	20120410	LSRE	CC	CERTIFICATE OF CORRECTION	
US7112214 BB	20140326	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8

US7112214 BB	20180319	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US7112214 BB	20181016	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE TYPOGRAPHICAL ERROE IN APPLICATION SERIAL NO: PREVIOUSLY RECORDED AT REEL: 014671 FRAME: 0273. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:PETERSON, JAMES A; SPERRY, CHRISTOPHER J; GRYSKIEWICZ, JOSEPH M; AND OTHERS; SIGNING DATES FROM 20030922 TO 20031031; REEL/FRAME:047864/0669
US7112214 BB	20231219	PEXP		Calculated Patent Term Expiry (PTA 177 days)	
US7547315 BB	20090616	LSGT	+	granted / extensions (spc, cpc, pte)	
US7547315 BB	20090527	LSGT	PAT1	Patented Case	
US7547315 BB	20100824	LSRE	CC	CERTIFICATE OF CORRECTION	
US7547315 BB	20111006	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20030922 TO 20031031; REEL/FRAME:027027/0298
US7547315 BB	20111007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20020909 TO 20020911; REEL/FRAME:027030/0340
US7547315 BB	20121217	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7547315 BB	20161216	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7547315 BB	20181217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE APPLICATION NO. PREVIOUSLY RECORDED ON REEL 027027 FRAME 0298. ASSIGNOR(S) HEREBY CONFIRMS THE REMAINDER OF THE INFORMATION AS RECORDED IN THE ORIGINAL ASSIGNMENT; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20181204 TO 20181208; REEL/FRAME:049139/0459
US7547315 BB	20261130	PEXP		Calculated Patent Term Expiry (PTA 727 days)	
US7686200 BB	20100330	LSGT	+	granted / extensions (spc, cpc, pte)	
US7686200 BB	20100310	LSGT	PAT1	Patented Case	
US7686200 BB	20100921	LSRE	CC	CERTIFICATE OF CORRECTION	
US7686200 BB	20111007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20020909 TO

					20020911; REEL/FRAME:027030/0519
US7686200 BB	20130930	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7686200 BB	20171002	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7686200 BB	20271217	PEXP		Calculated Patent Term Expiry (PTA 1662 days)	
US7950559 BB	20110531	LSGT	+	granted / extensions (spc, cpc, pte)	
US7950559 BB	20031107	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; REEL/FRAME:014680/0036; SIGNING DATES FROM 20031013 TO 20031030
US7950559 BB	20031107	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20031013 TO 20031030; REEL/FRAME:014680/0036
US7950559 BB	20110511	LSGT	PAT1	Patented Case	
US7950559 BB	20111007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HERRIDGE, DAVID B.; REEL/FRAME:027030/0595 EFFECTIVE DATE : 20071114
US7950559 BB	20141201	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7950559 BB	20181119	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7950559 BB	20270715	PEXP		Calculated Patent Term Expiry (PTA 1481 days and a terminal disclaimer has been filed)	
US8066736 BB	20111129	LSGT	+	granted / extensions (spc, cpc, pte)	
US8066736 BB	20111109	LSGT	PAT1	Patented Case	
US8066736 BB	20150529	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8066736 BB	20181217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE PROPERTY NUMBER PREVIOUSLY RECORDED AT REEL: 27031 FRAME: 452. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20181204 TO 20181208; REEL/FRAME:047931/0409
US8066736 BB	20190501	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US8066736 BB	20271031	PEXP		Calculated Patent Term Expiry (PTA 943 days and a terminal disclaimer has been filed)	

US8074857 BB	20111213	LSGT	+	granted / extensions (spc, cpc, pte)	
US8074857 BB	20050311	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; REEL/FRAME:015763/0897; SIGNING DATES FROM 20050221 TO 20050304
US8074857 BB	20050311	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20050221 TO 20050304; REEL/FRAME:015763/0897
US8074857 BB	20111122	LSGT	PAT1	Patented Case	
US8074857 BB	20130319	LSRE	CC	CERTIFICATE OF CORRECTION	
US8074857 BB	20150615	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8074857 BB	20190501	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US8074857 BB	20190613	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US8074857 BB	20280523	PEXP		Calculated Patent Term Expiry (PTA 1247 days)	
US8821517 BB	20140902	LSGT	+	granted / extensions (spc, cpc, pte)	
US8821517 BB	20130312	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20031013 TO 20071114; REEL/FRAME:029975/0622
US8821517 BB	20140813	LSGT	PAT1	Patented Case	
US8821517 BB	20170613	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : OPUS KSD INC. OLDPARTY : TRIAL NO: IPR2017-01438 EFFECTIVE DATE : 20170515
US8821517 BB	20180219	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8821517 BB	20330312	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9713472 BB	20170725	LSGT	+	granted / extensions (spc, cpc, pte)	
US9713472 BB	20160503	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCISIVE SURGICAL, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PETERSON, JAMES A.; SPERRY, CHRISTOPHER J.; GRYSKIEWICZ, JOSEPH M.; AND OTHERS; SIGNING DATES FROM 20031013 TO 20071114; REEL/FRAME:038445/0857
US9713472 BB	20170703	LSGT	PAT1	Patented Case	
US9713472 BB	20170905	LSRE	CC	CERTIFICATE OF	

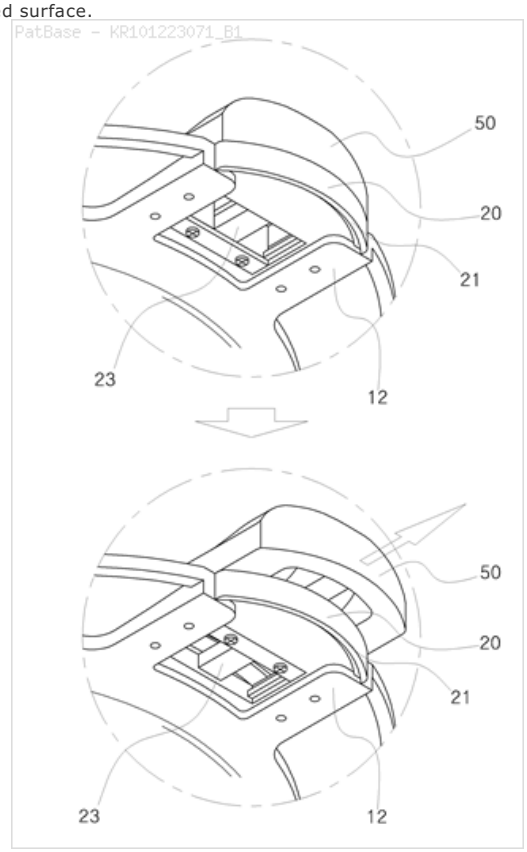
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US9713472 BB	20360503	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
USD532107 S1	20061114	LSGT	+	granted / extensions (spc, cpc, pte)	
USD532107 S1	20201114	PEXP		Calculated Patent Term Expiry	
WO04000104 A2	20031231	LSPB	+	published / reissued	
WO04000104 A2	20041216	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004516211 COUNTRY OF REF DOCUMENT : JP
WO04000104 A2	20050105	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003742176 COUNTRY OF REF DOCUMENT : EP
WO04000104 A2	20050629	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003742176 COUNTRY OF REF DOCUMENT : EP
WO04000105 A2	20031231	LSPB	+	published / reissued	
WO04000105 A3	20041216	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004516263 COUNTRY OF REF DOCUMENT : JP
WO04000105 A3	20050105	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003761338 COUNTRY OF REF DOCUMENT : EP
WO04000105 A3	20050525	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003761338 COUNTRY OF REF DOCUMENT : EP

41) Family number: 52818314 (KR101223071B)

Title: THE BAIL OF COOKING WESSEL MELTED MANUFACTRE MOLDING OR DIE CASTING

Abstract: PURPOSE: A handle structure for a full casting or die-casting pot is provided to prevent an interference of a **fixation** bar with a lock component installed to hold the back and forth movement of a moving object, and to improve the beauty of the exterior appearance. CONSTITUTION: A handle structure for a full casting or die-casting pot includes a plastic molded handle(100) having adiabatic function which is mounted on a flange formed in an upper end of a structure of a main body. An opening part is prepared to install the handle by forming a stepped surface(12) with a certain width on both sides of the flange and by opening the center of the stepped surface. An upper body(20) of the handle is inserted to be mounted on the stepped surface, and a lower part of the handle is combined with the upper body by passing a connection component from the other surface through the stepped surface after the lower part fastened on the lower part of the stepped surface. A protruded guide(21) is formed on the rear end of the upper body to be downwardly provided to prevent from the edge of the stepped surface from being exposed. The engagement guide is formed to go in gear with the protruded guide of the upper body, thereby preventing the exposure of the rim of the stepped surface and securely fixing the stepped surface.

Classifications:
International (IPC 8-9): A47J27/00 A47J36/00 A47J36/04 A47J36/34 A47J45/06 (Advanced/Invention)
CPC: A47J45/062 A47J45/085



Family:

Publication number	Publication date	Application number	Application date
CN103405138 A	20131127	CN201210321771	20120903
CN103405138 B	20160120	CN201210321771	20120903
KR101223071 B1	20130117	KR20120065840	20120619

Priority:

KR20120065840 20120619

Probable Assignee:	ROICHEN CO LTD
Assignee(s): (std):	MOON JAE GU ; ROICHEN CO LTD
Assignee(s):	ROICHEN CO
Inventor(s): (std):	MOON JAE GU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN103405138 A	20131127	LSPB	+	published / reissued	
CN103405138 A	20131127	LSPB	+C06	PUBLICATION	
CN103405138 B	20160120	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103405138 B	20160120	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103405138 B	20320903	PEXP		Calculated Patent Term Expiry	

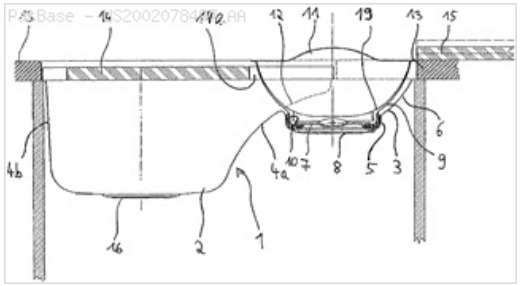
KR101223071 B1	20130117	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101223071 B1	20120619	LSES	A201	REQUEST FOR EXAMINATION	
KR101223071 B1	20120716	LSES	A302	REQUEST FOR ACCELERATED EXAMINATION	
KR101223071 B1	20120925	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101223071 B1	20130109	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101223071 B1	20130110	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101223071 B1	20160104	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20160104 YEAR OF FEE PAYMENT : 4
KR101223071 B1	20161208	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20161208 YEAR OF FEE PAYMENT : 5
KR101223071 B1	20180103	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20180103 YEAR OF FEE PAYMENT : 6
KR101223071 B1	20190107	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20190107 YEAR OF FEE PAYMENT : 7
KR101223071 B1	20320619	PEXP		Calculated Patent Term Expiry	

42) Family number: 28222321 (US2002078497A)

Title: Kitchen sink with an additional basin

Abstract: A kitchen sink has at least one main basin and an additional basin, wherein both basins have their own drains. The additional basin is formed as a protrusion in a side wall of the main basin and projects into the main basin. The additional basin may be provided with accessories, such as a basin insert or sieve, and the sink may be provided with preparation board(s), which are adapted to the additional basin and/or the basin insert.

Classifications:
International (IPC 8-9): A47J43/24 A47J47/20 A47L17/02 E03C1/18 (Advanced/Invention);
A47J43/00 A47J47/00 A47L17/00 E03C1/18 (Core/Invention)
International (IPC 1-7): A47L17/02 A47L17/02 A47L17/2 E03C1/01 E03C1/18
CPC: A47J43/24 A47J47/20 A47L17/02 E03C1/18
European: A47J43/24 A47J47/20 A47L17/02 E03C1/18
US: 4/642 4/654
Locarno class: 46/42



Family:

Publication number	Publication date	Application number	Application date
AT292929 E	20050415	AT20010128931T	20011205
DE10065057 A1	20020704	DE20001065057	20001227
DE50105896 D1	20050519	DE20015005896	20011205
EP1219229 A1	20020703	EP20010128931	20011205
EP1219229 B1	20050413	EP20010128931	20011205
ES2240314 T3	20051016	ES20010128931T	20011205
US2002078497 AA	20020627	US20010035939	20011224
US6560791 BB	20030513	US20010035939	20011224

Priority:
DE20001065057 20001227 DE20015005896 20011205

Probable Assignee: NIRO PLAN AG
Assignee(s): (std)**:** NIRO PLAN AG ; NIRO PLAN AG ZUG ; NIRO PLAN ZUG AG
Inventor(s): (std)**:** PERUCCHI BRUNO
Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT292929 E	20050415	LSGT	+	granted / extensions (spc, cpc, pte)	
AT292929 E	20070315	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT292929 E	20211205	PEXP		Calculated Patent Term Expiry	
DE10065057 A1	20020704	LSPB	+	published / reissued	
DE10065057 A1	20020704	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE10065057 A1	20071018	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
DE50105896 D1	20060518	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EP1219229 A1	20020703	LSPB	+	published / reissued	
EP1219229 A1	20020828	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020622
EP1219229 A1	20030326	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR

					COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : SE COUNTRY OF REF DOCUMENT : TR
EP1219229 B1	20050413	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1219229 B1	20050415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1219229 B1	20050518	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP1219229 B1	20050713	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050713
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EP1219229 B1	20051016	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2240314 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :

EP1219229 B1	20051130	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FD4D
EP1219229 B1	20051205	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20051205
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EP1219229 B1	20061220	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20061220 YEAR OF FEE PAYMENT : 6
EP1219229 B1	20061231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20061231 YEAR OF FEE PAYMENT : 6
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EP1219229 B1	20081031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20051231
EP1219229 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20080701
EP1219229 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050413
EP1219229 B1	20090316	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20071207
EP1219229 B1	20090430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20071207
EP1219229 B1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20071205
EP1219229 B1	20090930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050413
EP1219229 B1	20140131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20131217 YEAR OF FEE PAYMENT : 13
EP1219229 B1	20140131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20131218 YEAR OF FEE PAYMENT : 13
EP1219229 B1	20140131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20131219 YEAR OF FEE PAYMENT : 13
EP1219229 B1	20150701	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 50105896 COUNTRY OF REF DOCUMENT : DE
EP1219229 B1	20150731	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1219229 B1	20150826	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20141205
EP1219229 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141231
EP1219229 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141205
EP1219229 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150701
EP1219229 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141231

EP1219229 B1	20211205	PEXP		Calculated Patent Term Expiry	
ES2240314 T3	20051016	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2240314 T3	20211205	PEXP		Calculated Patent Term Expiry	
US2002078497 AA	20020627	LSPB	+	published / reissued	
US6560791 BB	20030513	LSGT	+	granted / extensions (spc, cpc, pte)	
US6560791 BB	20020301	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NIRO-PLAN AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:PERUCCHI, BRUNO; REEL/FRAME:012667/0502 EFFECTIVE DATE : 20020123
US6560791 BB	20061027	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6560791 BB	20101104	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6560791 BB	20150513	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6560791 BB	20150608	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6560791 BB	20150608	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6560791 BB	20150630	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20150513
US6560791 BB	20211224	PEXP		Calculated Patent Term Expiry	

43) Family number: 29505330 (US2003036069A)

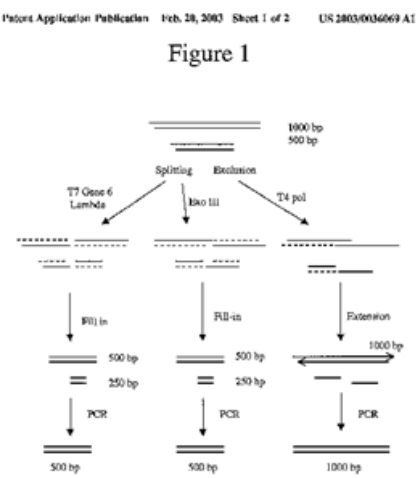
Title: COMPLEXITY MANAGMENT OF GENOMIC DNA

Abstract: The presently claimed invention provides for novel methods and kits for reducing the complexity of a nucleic acid sample by providing non-gel based methods for size fractionation. In a preferred embodiment, size fractionation can be accomplished by varying conditions or reagents of a PCR reaction to amplify fragments of specific size ranges. The invention further provides for analysis of the above sample by hybridization to an array, which may be specifically designed to interrogate the desired fragments for particular characteristics, such as, for example, the presence or absence of a polymorphism.

Classifications:

International (IPC 8-9): C07H21/00 C07H21/04 C12P19/34 C12Q1/68 C12Q1/6806 C12Q1/6809 C12Q1/6827 C12Q1/683 C12Q1/6837 C12Q1/6844 C12Q1/6855 C40B20/00 C40B30/04 C40B40/06 C40B40/08 C40B50/18 (Advanced/Invention);
C07H21/00 C07H21/04 C12P19/34 C12Q1/68 C12Q1/6837 (Advanced/Non-invention);
C07H21/00 C12P19/00 C12Q1/68 C40B30/04 C40B40/04 (Core/Invention)
International (IPC 1-7): C07H21/02 C07H21/04 C12P19/34 C12Q1/68
CPC: C12Q1/6806 C12Q1/683 C12Q1/6827 C12Q1/6855 C12Q1/6844 C12Q1/6809 C12Q1/6837 C12Q2600/156
European: C12Q1/68A6 C12Q1/68D2E1 M12Q1/68B10A M12Q600/156
US: 1/1 435/18 435/6 435/6.1 435/6.100S 435/6.11 435/6.110P 435/6.12 435/6.120P 435/6.14 435/6.140S 435/6.16 435/6.160P 435/6.160S 435/6.18 435/6.180S 435/6P 435/6S 435/91.2 435/91.200S 435/91.21 506/16 506/16P 506/16S 506/17 506/17S 506/2 506/2P 506/32 506/32S 506/9 506/9P 536/22.1 536/23.1 536/24.2 536/24.3 536/24.31 536/24.32 536/24.33 536/25.3

PatBase – US2003036069_AA



Family:

Publication number	Publication date	Application number	Application date
AU2002332424 AA	20030217	AU20020332424	20020723
EP1362929 A2	20031119	EP20030253110	20030519
EP1362929 A3	20040519	EP20030253110	20030519
EP1421205 A2	20040526	EP20020790239	20020723
US2003036069 AA	20030220	US20010013598	20011210
US2004067493 AA	20040408	US20020264945	20021004
US2004072217 AA	20040415	US20030463991	20030617
US2005079536 AA	20050414	US20040981222	20041103
US2005142577 AA	20050630	US20040912445	20040805
US2005260628 AA	20051124	US20050075121	20050307
US2007065816 AA	20070322	US20030442021	20030519
US2008070796 AA	20080320	US20070874858	20071018
US2011009294 AA	20110113	US20080326596	20081202
US2012071328 AA	20120322	US20110216893	20110824
US2012142551 AA	20120607	US20120348394	20120111
US2013137583 AA	20130530	US20120568111	20120806
US2015010905 AA	20150108	US20140303954	20140613
US2015017632 AA	20150115	US20130095907	20131203
US2016369326 AA	20161222	US20160184449	20160616
US2018230513 AA	20180816	US20170809979	20171110
US2019144927 AA	20190516	US20180181862	20181106
US6872529 BB	20050329	US20010013598	20011210
US7202039 BB	20070410	US20040981222	20041103
US7297778 BB	20071120	US20020264945	20021004
US7459273 BB	20081202	US20040912445	20040805
US8029999 BB	20111004	US20070874858	20071018
US8114978 BB	20120214	US20080326596	20081202
US8679758 BB	20140325	US20120568111	20120806
US8808995 BB	20140819	US20120348394	20120111
US9388461 BB	20160712	US20140303954	20140613
US9845490 BB	20171219	US20130095907	20131203
US10155976 BB	20181218	US20160184449	20160616
WO03010328 A2	20030206	WO2002US23570	20020723

WO03010328 A3	20031127	WO2002US23570	20020723

Priority:

US20010916135 20010725	US20010013598 20011210	US20020319253P 20020517
US20020389701P 20020617	US20020389746P 20020617	WO2002US23570 20020723
US20020264945 20021004	US20030442021 20030519	US20030463991 20030617
US20030493085P 20030805	US20040912445 20040805	US20040981222 20041103
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US20110216893 20110824	US20120348394 20120111	US20120568111 20120806
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US20170809979 20171110	US20180181862 20181106	

Probable Assignee: AFFYMETRIX INC

Assignee(s): (std): SU XING ; MATSUZAKI HAJIME ; KENNEDY GIULIA ; WALSH SEAN ; MEI RUI ; JONES KEITH W ; SHAPERO MICHAEL H ; JONES KETIH W ; AFFYMETRIX INC ; FODOR STEPHEN P A

Assignee(s): FODOR STEPHEN PA ; GENERAL ELECTRIC CAPITAL AGENT AS CORP ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): DONG SHOULIAN ; JONES KEITH ; KENNEDY GIULIA ; LIU WEIWEI ; MATSUZAKI HAJIME ; SHAPERO MICHAEL ; SU XING ; WALSH SEAN ; MEI RUI ; JONES KEITH W ; SHAPERO MICHAEL H ; FODER STEPHEN P ; KENNEDY GUILIA ; FODOR STEPHEN P A ; JONES KETIH W

Inventor(s): FODOR STEPHEN PA ; FODER STEPHEN ; HAJIME MATSUZAKI ; XING SU ; GIULIA KENNEDY ; FODER STEPHEN PA

Agent(s): AFFYMETRIX INC ATTN CHIEF IP COUNSEL LEGAL DEPT; SANDRA E; PHILIP L; WELLS SANDRA E; AFFYMETRIX INC; BANNER AND WITCOFF LTD; DOUBLE HELIX LAW; CHANG JINHEE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2002332424 AA	20030217	LSPB	+	published / reissued	
AU2002332424 AA	20040408	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
EP1362929 A2	20031119	LSPB	+	published / reissued	
EP1362929 A3	20050119	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20041119
EP1362929 A3	20050209	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : BG COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : CZ COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : EE COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : HU COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : RO COUNTRY OF REF DOCUMENT : SE COUNTRY OF REF DOCUMENT : SI COUNTRY OF REF DOCUMENT : SK COUNTRY OF REF DOCUMENT : TR
EP1362929 A3	20050921	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC. (A DELAWARE CORPORATION)
EP1362929 A3	20071212	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20071107
EP1362929 A3	20080917	LSDW	-18D	APPLICATION DEEMED TO BE	EFFECTIVE DATE : 20080318

				WITHDRAWN	
EP1421205 A2	20040526	LSPB	+	published / reissued	
EP1421205 A2	20040526	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040226
EP1421205 A2	20040714	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12Q 1/68 A
EP1421205 A2	20040714	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 07H 21/04 B
EP1421205 A2	20040714	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 07H 21/02 B
EP1421205 A2	20040714	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12P 19/34 B
EP1421205 A2	20050810	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20050203
US10155976 BB	20181218	LSGT	+	granted / extensions (spc, cpc, pte)	
US10155976 BB	20160706	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:JONES, KEITH W.; SHAPERO, MICHAEL H.; REEL/FRAME:039087/0856 EFFECTIVE DATE : 20160629
US10155976 BB	20181128	LSGT	PAT1	Patented Case	
US10155976 BB	20370218	PEXP		Calculated Patent Term Expiry (PTA 247 days and a terminal disclaimer has been filed)	
US2003036069 AA	20030220	LSPB	+	published / reissued	
US2003036069 AA	20050309	LSGT	PAT1	Patented Case	
US2003036069 AA	20050309	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2004067493 AA	20040408	LSPB	+	published / reissued	
US2004067493 AA	20071031	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2004072217 AA	20040415	LSPB	+	published / reissued	
US2004072217 AA	20031120	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KENNEDY, GIULIA; REEL/FRAME:014147/0323 EFFECTIVE DATE : 20031113
US2004072217 AA	20061220	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005079536 AA	20050414	LSPB	+	published / reissued	
US2005079536 AA	20070321	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005142577 AA	20050630	LSPB	+	published / reissued	
US2005142577 AA	20081112	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2005260628 AA	20051124	LSPB	+	published / reissued	
US2005260628 AA	20081001	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007065816 AA	20070322	LSPB	+	published / reissued	
US2007065816 AA	20030916	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DONG, SHOULIAN; JONES, KEITH; KENNEDY, GIULIA; AND OTHERS; REEL/FRAME:014516/0079; SIGNING DATES FROM 20030721 TO 20030730
US2007065816 AA	20080331	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2008070796 AA	20080320	LSPB	+	published / reissued	
US2008070796 AA	20110914	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011009294 AA	20110113	LSPB	+	published / reissued	
US2011009294 AA	20120125	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2012071328 AA	20120322	LSPB	+	published / reissued	
US2012071328 AA	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US2012071328 AA	20121009	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012071328 AA	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US2012142551 AA	20120607	LSPB	+	published / reissued	
US2012142551 AA	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US2012142551 AA	20140730	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013137583 AA	20130530	LSPB	+	published / reissued	
US2013137583 AA	20140305	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015010905 AA	20150108	LSPB	+	published / reissued	
US2015010905 AA	20160325	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:JONES, KEITH W.; SHAPERO, MICHAEL H.; REEL/FRAME:038098/0712 EFFECTIVE DATE : 20041116

US2015010905 AA	20160622	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015017632 AA	20150115	LSPB	+	published / reissued	
US2015017632 AA	20160319	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MATSUZAKI, HAJIME; SU, XING; WALSH, SEAN; AND OTHERS; SIGNING DATES FROM 20021205 TO 20021212; REEL/FRAME:038039/0425
US2015017632 AA	20170613	LSES	ADV1	Advisory Action Mailed	
US2015017632 AA	20170809	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2015017632 AA	20171110	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2015017632 AA	20171113	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2015017632 AA	20171129	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016369326 AA	20161222	LSPB	+	published / reissued	
US2016369326 AA	20180418	LSES	NFA1	Non Final Action Mailed	
US2016369326 AA	20181128	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018230513 AA	20180816	LSPB	+	published / reissued	
US2018230513 AA	20180228	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MATSUZAKI, HAJIME; SU, XING; WALSH, SEAN; AND OTHERS; SIGNING DATES FROM 20021205 TO 20021212; REEL/FRAME:045060/0901
US2018230513 AA	20190221	LSES	NFA1	Non Final Action Mailed	
US2018230513 AA	20190430	LSES	NFA1	Non Final Action Mailed	
US2019144927 AA	20190516	LSPB	+	published / reissued	
US2019144927 AA	20181120	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:JONES, KEITH W.; SHAPERO, MICHAEL H.; REEL/FRAME:047554/0378 EFFECTIVE DATE : 20160629
US6872529 BB	20050329	LSGT	+	granted / extensions (spc, cpc, pte)	
US6872529 BB	20011210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SU, XING; REEL/FRAME:012384/0398 EFFECTIVE DATE : 20011129
US6872529 BB	20080929	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US6872529 BB	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US6872529 BB	20121001	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6872529 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US6872529 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US6872529 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US6872529 BB	20160929	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6872529 BB	20220408	PEXP		Calculated Patent Term Expiry (PTA 119 days)	
US7202039 BB	20070410	LSGT	+	granted / extensions (spc, cpc, pte)	
US7202039 BB	20070321	LSGT	PAT1	Patented Case	
US7202039 BB	20101012	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7202039 BB	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US7202039 BB	20141010	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7202039 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US7202039 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US7202039 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US7202039 BB	20181126	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY

US7202039 BB	20190513	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US7202039 BB	20190513	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7202039 BB	20190513	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7202039 BB	20190604	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20190410
US7202039 BB	20241103	PEXP		Calculated Patent Term Expiry	
US7297778 BB	20071120	LSGT	+	granted / extensions (spc, cpc, pte)	
US7297778 BB	20021226	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MATSUZAKI, HAJIME; SU, XING; WALSH, SEAN; AND OTHERS; REEL/FRAME:013651/0395; SIGNING DATES FROM 20021205 TO 20021212
US7297778 BB	20071031	LSGT	PAT1	Patented Case	
US7297778 BB	20110520	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7297778 BB	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US7297778 BB	20150520	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7297778 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US7297778 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US7297778 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US7297778 BB	20190516	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US7297778 BB	20231106	PEXP		Calculated Patent Term Expiry (PTA 398 days)	
US7459273 BB	20081202	LSGT	+	granted / extensions (spc, cpc, pte)	
US7459273 BB	20041116	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNORS:JONES, KEITH W.; SHAPERO, MICHAEL H.; FODOR, STEPHEN P.A.; REEL/FRAME:015383/0174; SIGNING DATES FROM 20041115 TO 20041116
US7459273 BB	20081112	LSGT	PAT1	Patented Case	
US7459273 BB	20120604	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7459273 BB	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US7459273 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US7459273 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US7459273 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US7459273 BB	20160602	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7459273 BB	20250525	PEXP		Calculated Patent Term Expiry (PTA 293 days)	
US8029999 BB	20111004	LSGT	+	granted / extensions (spc, cpc, pte)	
US8029999 BB	20110914	LSGT	PAT1	Patented Case	
US8029999 BB	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US8029999 BB	20150406	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8029999 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US8029999 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US8029999 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328

US8029999 BB	20190516	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : 7.5 YR SURCHARGE - LATE PMT W/IN 6 MO, LARGE ENTITY (ORIGINAL EVENT CODE: M1555); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US8029999 BB	20190516	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US8029999 BB	20281216	PEXP		Calculated Patent Term Expiry (PTA 425 days)	
US8114978 BB	20120214	LSGT	+	granted / extensions (spc, cpc, pte)	
US8114978 BB	20120125	LSGT	PAT1	Patented Case	
US8114978 BB	20120627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT, MA OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:028465/0541 EFFECTIVE DATE : 20120625
US8114978 BB	20150814	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8114978 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US8114978 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US8114978 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US8114978 BB	20291231	PEXP		Calculated Patent Term Expiry (PTA 394 days)	
US8679758 BB	20140325	LSGT	+	granted / extensions (spc, cpc, pte)	
US8679758 BB	20140305	LSGT	PAT1	Patented Case	
US8679758 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US8679758 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US8679758 BB	20170914	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8679758 BB	20320806	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US8808995 BB	20140819	LSGT	+	granted / extensions (spc, cpc, pte)	
US8808995 BB	20140730	LSGT	PAT1	Patented Case	

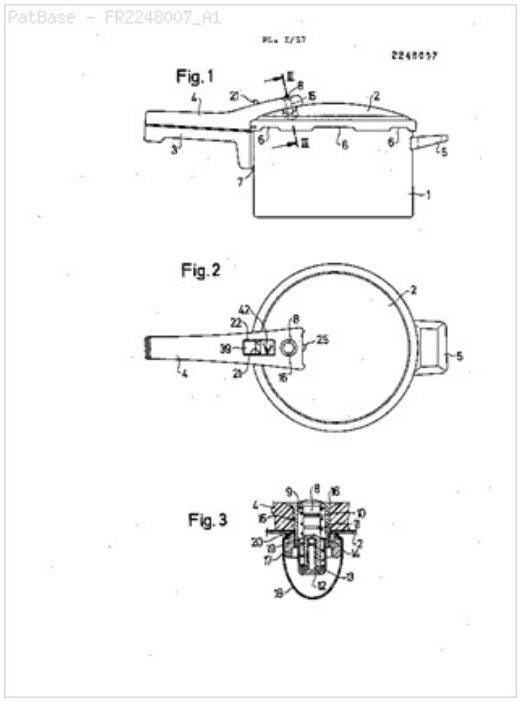
US8808995 BB	20151028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT, TE OLDPARTY : SECURITY INTEREST; ASSIGNOR:AFFYMETRIX, INC.; REEL/FRAME:036988/0166 EFFECTIVE DATE : 20151028
US8808995 BB	20151113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:GENERAL ELECTRIC CAPITAL CORPORATION, AS AGENT; REEL/FRAME:037109/0132 EFFECTIVE DATE : 20151028
US8808995 BB	20160405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AFFYMETRIX, INC., CALIFORNIA OLDPARTY : NOTICE OF RELEASE; ASSIGNOR:BANK OF AMERICA, N.A.; REEL/FRAME:038361/0891 EFFECTIVE DATE : 20160328
US8808995 BB	20180215	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8808995 BB	20320111	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9388461 BB	20160712	LSGT	+	granted / extensions (spc, cpc, pte)	
US9388461 BB	20160622	LSGT	PAT1	Patented Case	
US9388461 BB	20340613	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9845490 BB	20171219	LSGT	+	granted / extensions (spc, cpc, pte)	
US9845490 BB	20171129	LSGT	PAT1	Patented Case	
US9845490 BB	20331203	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO03010328 A2	20030206	LSPB	+	published / reissued	
WO03010328 A3	20040226	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002790239 COUNTRY OF REF DOCUMENT : EP
WO03010328 A3	20040526	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002790239 COUNTRY OF REF DOCUMENT : EP
WO03010328 A3	20040603	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO03010328 A3	20050203	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002790239 COUNTRY OF REF DOCUMENT : EP
WO03010328 A3	20060508	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO03010328 A3	20060508	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : JP

44) Family number: 1201330 (FR2248007A)

Title: PRESSURE COOKER WITH BAYONET CLOSURE - HAS SPRING OF PRESSURE LIMITING VALVE PRESTRESSABLE IN DEPENDENCE ON LOCKING OF HANDLES

Abstract: Pressure cooker with bayonet closure, mutually lockable pot or lid handles, and spring-loaded pressure limiting valve cooperating with the lid's steam outlet opening, has the valve spring prestressable in dependence on the locking of the handles. Preferably a movable adjuster is mounted in or on one of the handles, and acts both as the spring-stressing element and as the locking element. The adjuster is preferably an adjusting screw in one handle engaging in the other handle and simultaneously prestressing the spring, which consists of a partially elastic bendable arm with a valve closure body. The pot is better secured against being opened, while still under pressure.

Classifications:
International (IPC 8-9): A47J27/092 (Advanced/Invention); A47J27/08 (Core/Invention)
International (IPC 1-7): A47J27/08 A47J27/09 A47J27/092 F16J13/12
CPC: A47J27/092
European: A47J27/092



Family:

Publication number	Publication date	Application number	Application date
AT350754 B	19790625	AT19740008244	19741014
AT824474 A	19781115	AT19740008244	19741014
CH587645 A	19770513	CH19740013833	19741015
DE2352389 A1	19750424	DE19732352389	19731018
DE2352389 B2	19790628	DE19732352389	19731018
DE2352389 C3	19800306	DE19732352389	19731018
FR2248007 A1	19750516	FR19740035228	19741018
FR2248007 B1	19771110	FR19740035228	19741018
IT1025046 A	19780810	IT19740028586	19741018

Priority:

DE19732352389 19731018

Probable Assignee: OBERSCHWAEB METALLWAREN

Assignee(s): (std): OBERSCHWAEB METALLWAREN ; SILIT WERKE

Assignee(s): SILIT WERKE GMBH AND CO KG 7940 RIEDLINGEN ; OBERSCHWAEBISCHE METALLWARENFABRIK GMBH AND CO KG ; OBERSCHWABISCHE METALLWARENFABRI ; OBERSCHWABISCHE METALLWARENFABRI DT ; OBERSCHWABISCHE METALLWARENFABRIK GMBH UND CO KG

Inventor(s): (std): TESS PETER ; TESS PETER ING GRAD

Inventor(s): TESS PETER ING GRAD 7980 RAVENSBURG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT350754 B	19790625	LSGT	+	granted / extensions (spc, cpc, pte)	
AT350754 B	19970915	LSLE	-ELA	EXPIRED DUE TO LAPSE OF TIME	
AT350754 B	19941014	PEXP		Calculated Patent Term Expiry	
AT824474 A	19781115	LSPB	+	published / reissued	
CH587645 A	19770513	LSGT	+	granted / extensions (spc, cpc, pte)	

CH587645 A	19941230	LSLE	-PL	PATENT CEASED	
CH587645 A	19941015	PEXP		Calculated Patent Term Expiry	
DE2352389 A1	19750424	LSPB	+	published / reissued	
DE2352389 B2	19790628	LSPB	+	published / reissued	
DE2352389 C3	19800306	LSGT	+	granted / extensions (spc, cpc, pte)	
DE2352389 C3	19800306	LSGT	+C3	GRANT AFTER TWO PUBLICATION STEPS (3RD PUBLICATION)	
FR2248007 A1	19750516	LSPB	+	published / reissued	
FR2248007 B1	19771110	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2248007 B1	19941018	PEXP		Calculated Patent Term Expiry	
IT1025046 A	19780810	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1025046 A	19991027	LSFE	TA	FEE PAYMENT DATE (SITUATION AS OF EVENT DATE), DATA COLLECTED SINCE 19931001	EFFECTIVE DATE : 19931014
IT1025046 A	19941018	PEXP		Calculated Patent Term Expiry	

45) Family number: 46784338 (EP2226541B1)

Title: ACTUATION ASSEMBLY FOR SANITARY FITTINGS AGENCEMENT D'ACTIONNEMENT POUR ARMATURES SANIT

Abstract: The arrangement allows a moving spindle to actuate a sanitary fitting. The spindle comprises a catch (20), which is connected with the moving spindle. A rotary handle (13) is rotationally fixed and is movably attached to the moving spindle in an axially limited manner. The rotary handle comprises a stable axial position. A radial projection (21) of the handle meets the stable axial position on the catch attached to the moving spindle for preventing rotation of the projection. The projection is moved in an outer engagement with the catch by axial movement of the rotary handle.

Classifications:
International (IPC 8-9): F16K31/50 F16K31/60 (Advanced/Invention); F16K31/60 (Core/Invention)
CPC: F16K31/60 G05G1/10 G05G1/12
European: F16K31/60 G05G1/10 G05G1/12

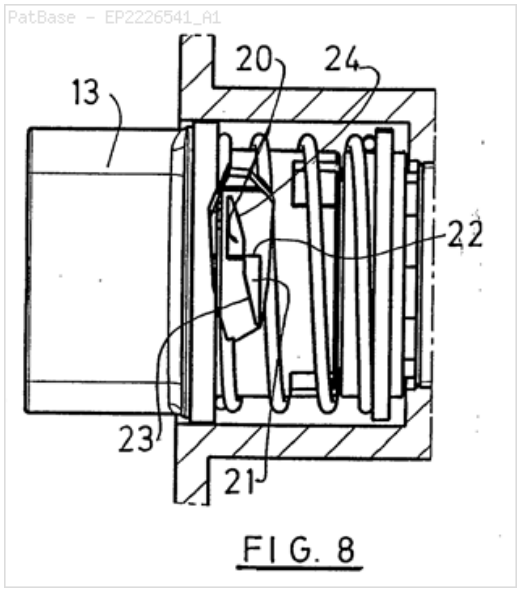


FIG. 8

Family:

Publication number	Publication date	Application number	Application date
DE102009012839 A1	20101014	DE200910012839	20090304
DE502010007704 D1	20141002	DE201050007704T	20100227
EP2226541 A1	20100908	EP20100154969	20100227
EP2226541 B1	20140820	EP20100154969	20100227

Priority:
DE200910012839 20090304 EP20100154969 20100227

Probable Assignee: HANSGROHE SE

Assignee(s): (std): HANSGROHE AG ; HANSGROHE SE

Inventor(s): (std): WERNER BERND

Agent(s): PATENTANWAELTE RUFF WILHELM BEIER DAUSTER AND PARTNER MBB; PATENTANWAELTE RUFF WILHELM BEIER DAUSTER AND PARTNER; PATENTANWAELTE RUFF WILHELM BEIER DAUSTER AND PARTNER

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE102009012839 A1	20101014	LSPB	+	published / reissued	
DE102009012839 A1	20101014	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE102009012839 A1	20121031	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : HANSGROHE SE, DE OLDPARTY : FORMER OWNER: HANSGROHE AG, 77761 SCHILTACH, DE EFFECTIVE DATE : 20120907
DE102009012839 A1	20150617	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102009012839 A1	20151001	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	

EP2226541 A1	20100908	LSPB	+	published / reissued	
EP2226541 A1	20110413	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110303
EP2226541 A1	20140305	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : HANSGROHE SE
EP2226541 A1	20140507	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20140410
EP2226541 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 7
EP2226541 A1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170223 YEAR OF FEE PAYMENT : 8
EP2226541 B1	20140820	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2226541 B1	20140820	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2226541 B1	20140829	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2226541 B1	20140915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 683663 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20140915
EP2226541 B1	20140924	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2226541 B1	20141002	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010007704 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20141002
EP2226541 B1	20150121	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20140820
EP2226541 B1	20150126	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

					LAPSED DATE : 20140820
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141120
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141120
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141121
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141222
EP2226541 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141220
EP2226541 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820

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EP2226541 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
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EP2226541 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
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EP2226541 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150228
EP2226541 B1	20150729	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20150521
EP2226541 B1	20150930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE

				NATIONAL OFFICE TO EPO]	DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150227
EP2226541 B1	20150930	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2226541 B1	20151028	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20150227
EP2226541 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150228
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EP2226541 B1	20151127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20151030
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EP2226541 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150227
EP2226541 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150227
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EP2226541 B1	20160415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 683663 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150227
EP2226541 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE

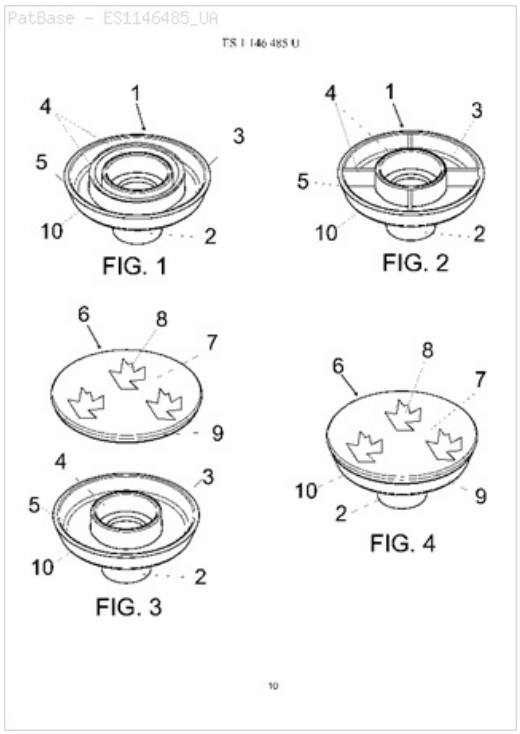
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EP2226541 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20100227
EP2226541 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180222 YEAR OF FEE PAYMENT : 9
EP2226541 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140820
EP2226541 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190221 YEAR OF FEE PAYMENT : 10
EP2226541 B1	20300227	PEXP		Calculated Patent Term Expiry	

46) Family number: 60886339 (ES1146485Y)

Title: TIRADOR PERFECCIONADO PARA MUEBLES

Abstract: Source: ES1146485U [ES] 1. Tirador perfeccionado para muebles, del tipo que esta constituido por una pieza (1) obtenida en materia plastica que conforma una columna (2) con un orificio tubular para el paso de un organo de fijacion al mueble y que se remata por un extremo en una amplia cazoleta (3), caracterizado esencialmente porque la cazoleta conforma en su interior unos tabiques de apoyo (4) en disposicion coaxial y/o radial con el orificio tubular de la columna, cuya altura es ligeramente mayor y descendente hacia el borde periferico (5) de la cazoleta, que queda cubierta por una tapa circular (6) de superficie ligeramente curvo-convexa (7) provista de motivos decorativos (8) y dotada de un reborde periferico (9), en disposicion de quedar apoyada sobre los tabiques y el borde periferico de la cazoleta a la que se ajusta y fija por medios mecanicos u otros medios adherentes y/o calorificos aplicados al reborde periferico (9) de la tapa en contacto con la superficie lateral periferica (10) de la cazoleta. **Machine translation:** 1. Perfected for furniture, of the type which is constituted by a piece (1) produced in plastic material that forms a column (2) with a tubular opening for the passage of a fixing to the furniture and which is finished at one end in a shooter wide bowl (3), essentially characterized in that the cup formed inside support partitions (4) in coaxial arrangement and / or radial to the tubular port of the column whose height is slightly larger and downward toward the peripheral edge (5) of the bowl, which is covered by a circular slightly curved convex cover (6) surface (7) provided with decorative patterns (8) and provided with a peripheral rim (9), be in a position resting on the partitions and The peripheral edge of the bowl which is adjusted and fixed by mechanical or other adhering means and / or heaters applied to the peripheral rim (9) of the lid in contact with the peripheral side surface (10) of the bowl.

Classifications:
International (IPC 8-9): A47B95/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
ES1146485 UA	20151123	ES20150031210U	20151105
ES1146485 Y1	20160216	ES20150031210U	20151105

Priority:

ES20150031210U 20151105

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Assignee(s):	VICTOR SUAREZ JUAN
Inventor(s): (std):	SUAREZ JUAN VICTOR
Inventor(s):	VICTOR SUAREZ JUAN
Agent(s):	GIMENO JOSE VICENTE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES1146485 UA	20151123	LSPB	+	published / reissued	
ES1146485 Y1	20160216	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1146485 Y1	20160216	LSGT	+FG1K	UTILITY MODEL GRANTED	EFFECTIVE DATE : 20160210

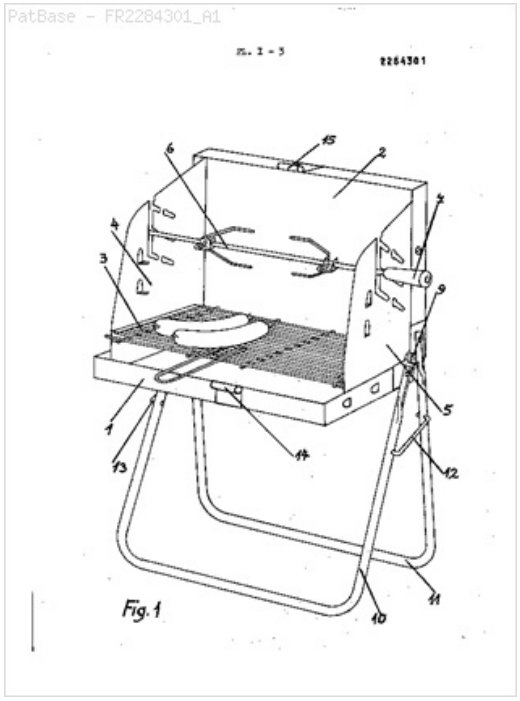
ES1146485 Y1	20251105	PEXP	Calculated Patent Term Expiry

47) Family number: 2177340 (FR2284301A)

Title: FOLD-AWAY CHARCOAL GRILL WITH VERTICAL AND HORIZONTAL GRID - HAS CLOSED SUITCASE CONSTRUCTION OPENING UP INTO SPIT-ROASTING OR STANDARD GRILLING POSITION

Abstract: The grill comprises a charcola pan with a similar shaped metal box connected thereto along one side by means of hinges so as to act as a windbreak when the charcoal tray and grid are in the horizontal position and to act as a holder for the fat tray (8) when the charcoal tray and grid are in the vertical position (ie spit-rotating position). The grill is supported on the ground by means of two hoop irons wherein the ends of one iron are pivotally fastened to the edge of the charcoal tray and the ends of the other iron are pivotally fastened to the edge of the metal box. The irons can be held by push-in bolts but, when closed down, the bolts and spit holder are stored inside the grill which now represents a suitcase wherein the hoop irons form the carrying handles.

Classifications:
International (IPC 8-9): A47J37/07 (Advanced/Invention); A47J37/07 (Core/Invention)
International (IPC 1-7): A47J37/07
CPC: A47J37/0731
European: A47J37/07D



Family:

Publication number	Publication date	Application number	Application date
DE2444163 A1	19760325	DE19742444163	19740916
FR2284301 A1	19760409	FR19750028272	19750915
FR2284301 B3	19790629	FR19750028272	19750915
IT1042518 A	19800130	IT19750027193	19750912

Priority:

DE19742444163 19740916

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Inventor(s): (std): KUTSCHHEIT GEB ROOS DORA

Inventor(s): KUTSCHHEIT GEB ROOS DORA 5412 RANSBACH BAUMBACH

Legal status (INPADOC)

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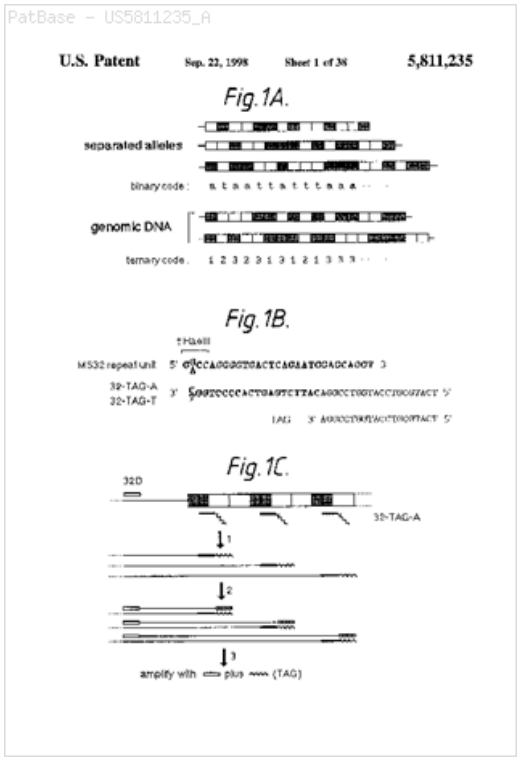
Patent	Date recorded	Event group	Code	Event	Details
DE2444163 A1	19760325	LSPB	+	published / reissued	
DE2444163 A1	19790621	LSLE	-OHJ	NON-PAYMENT OF THE ANNUAL FEE	
FR2284301 A1	19760409	LSPB	+	published / reissued	
FR2284301 B3	19790629	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2284301 B3	19791123	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2284301 B3	19810915	PEXP		Calculated Patent Term Expiry	
IT1042518 A	19800130	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1042518 A	19950912	PEXP		Calculated Patent Term Expiry	

48) Family number: 10652350 (US5811235A)

Title: Method of characterisation

Abstract: A method of characterizing a test sample of genomic DNA which method comprises amplifying a tandemly repeated region, comprising more than one type of repeat unit, as far as internal repeat units of a specific type so as to generate a set of amplification products which identify the relative positions of the internal repeat units within the tandemly repeated region, and separating the set of amplification products to provide a sample code. The sample codes are suitable for computerized storage on, and retrieval from, a database. The invention also provides a novel method for the detection of diagnostic base sequences in one or more nucleic acids contained in a sample.

Classifications:
International (IPC 8-9): C07H21/04 C12N15/09 C12N15/10 C12Q1/68 G06F12/00 G06F17/30 (Advanced/Invention);
C12N15/09 G06F12/00 G06F17/30 (Advanced/Non-invention);
C12Q1/68 (Core/Invention)
International (IPC 1-7): C07H21/04 C12N15/00 C12N15/10 C12N15/11 C12P19/34 C12Q1/68 G06F12/00
CPC: C12Q1/686 C12Q2600/156 C12Q1/6881 C12Q1/6858 C12Q2600/16 C12Q2600/172
European: C12Q1/68D2G C12Q1/68D4 C12Q1/68M4 M12Q600/156
US: 435/6 435/6.11 435/6.18 435/91.2



Family:

Publication number	Publication date	Application number	Application date
AT175722 E	19990115	AT19920307768T	19920826
AT190096 E	20000315	AT19920107088T	19920826
AU199221295 A1	19930304	AU19920021295	19920826
AU660690 B2	19950706	AU19920021295	19920826
CA2077264 AA	19930228	CA19922077264	19920826
DE69228158 D1	19990225	DE19926028158	19920826
DE69228158 T2	19990902	DE19926028158T	19920826
DE69230736 D1	20000406	DE19926030736	19920826
DE69230736 T2	20000621	DE19926030736T	19920826
EP0530009 A2	19930303	EP19920307768	19920826
EP0530009 A3	19931103	EP19920307768	19920826
EP0530009 B1	19990113	EP19920307768	19920826
EP0731177 A2	19960911	EP19960107088	19920826
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EP0731177 B1	20000301	EP19960107088	19920826
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GB2259138 A1	19930303	GB19920018175	19920826
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GB9118371 A0	19911009	GB19910018371	19910827
GB9119089 A0	19911023	GB19910019089	19910906
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GB9212627 A0	19920729	GB19920012627	19920615
GB9212881 A0	19920729	GB19920012881	19920617
GB9218175 A0	19921014	GB19920018175	19920826
JP6205700 A2	19940726	JP19920269058	19920826
NZ244089 A	19950127	NZ19920244089	19920826
US5811235 A	19980922	US19950418859	19950405
US5853989 A	19981229	US19960643181	19960506

Priority:

GB19910018371 19910827 GB19910019089 19910906 GB19910024636 19911120
GB19920007379 19920403 GB19920012627 19920615 GB19920012881 19920617

CA19922077264 19920826 EP19920307768 19920826 EP19920307768 19920826
US19920935107 19920826 US19950418859 19950405 US19960643181 19960506

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Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; SHAMOTO ICHIO; TOMITA HIROYUKI

Designated states: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT175722 E	19990115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT175722 E	19990715	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT175722 E	20120826	PEXP		Calculated Patent Term Expiry	
AT190096 E	20000315	LSGT	+	granted / extensions (spc, cpc, pte)	
AT190096 E	20120826	PEXP		Calculated Patent Term Expiry	
AU199221295 A1	19930304	LSPB	+	published / reissued	
AU660690 B2	19950706	LSGT	+	granted / extensions (spc, cpc, pte)	
AU660690 B2	20010201	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ASTRAZENECA AB OLDPARTY : FORMER OWNER WAS: ZENECA LIMITED
AU660690 B2	20020613	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ORCHID BIOSCIENCES EUROPE LIMITED OLDPARTY : FORMER OWNER WAS: ASTRAZENECA AB
AU660690 B2	20040401	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU660690 B2	20120826	PEXP		Calculated Patent Term Expiry	
CA2077264 AA	19930228	LSPB	+	published / reissued	
CA2077264 AA	19990823	LSES	+EEER	EXAMINATION REQUEST	
CA2077264 AA	20040618	LSLE	-FZDE	DEAD	
DE69228158 D1	20000210	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69228158 D1	20030403	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SYNGENTA LTD., GUILDFORD, SURREY, GB
DE69228158 D1	20031218	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : ZENECA LIMITED, LONDON, GB
DE69228158 D1	20040609	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69228158 T2	19990902	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69228158 T2	20120826	PEXP		Calculated Patent Term Expiry	

DE69230736 D1	20010322	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69230736 D1	20030403	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SYNGENTA LTD., GUILDFORD, SURREY, GB
DE69230736 D1	20031218	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : ZENECA LIMITED, LONDON, GB
DE69230736 D1	20040812	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : ASTRAZENECA UK LTD., LONDON, GB
DE69230736 D1	20120826	LSLE	-R071	EXPIRY OF RIGHT	
DE69230736 D1	20120828	LSLE	-R071	EXPIRY OF RIGHT	REF DOCUMENT NUMBER : 731177 COUNTRY OF REF DOCUMENT : EP
DE69230736 T2	20000621	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69230736 T2	20120826	PEXP		Calculated Patent Term Expiry	
EP0530009 A2	19930303	LSPB	+	published / reissued	
EP0530009 A2	19930922	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19930726
EP0530009 A3	19940112	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ZENECA LIMITED
EP0530009 A3	19960925	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19960812
EP0530009 B1	19990113	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0530009 B1	19990113	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19990113
EP0530009 B1	19990113	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19990113
EP0530009 B1	19990113	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19990113
EP0530009 B1	19990113	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19990113
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EP0530009 B1	19990113	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19990113
EP0530009 B1	19990113	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : NL

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19990113
EP0530009 B1	19990115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0530009 B1	19990224	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP0530009 B1	19990413	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19990413
EP0530009 B1	19990413	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19990413
EP0530009 B1	19990701	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	REF COUNTRY CODE : EP
EP0530009 B1	19990826	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19990826
EP0530009 B1	19990826	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19990826
EP0530009 B1	20000105	LSGT	+26N	NO OPPOSITION FILED	
EP0530009 B1	20000229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20000229
EP0530009 B1	20000920	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP0530009 B1	20021002	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20021002 YEAR OF FEE PAYMENT : 11
EP0530009 B1	20021004	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20021004 YEAR OF FEE PAYMENT : 11
EP0530009 B1	20021011	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20021011 YEAR OF FEE PAYMENT : 11
EP0530009 B1	20030831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030831
EP0530009 B1	20030831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE

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EP0530009 B1	20040302	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040302
EP0530009 B1	20040415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0530009 B1	20040430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040430
EP0530009 B1	20040604	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0530009 B1	20120826	PEXP		Calculated Patent Term Expiry	
EP0731177 A2	19960911	LSPB	+	published / reissued	
EP0731177 A3	19970326	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19970129
EP0731177 A3	19971210	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19971023
EP0731177 B1	20000301	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0731177 B1	20000301	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20000301
EP0731177 B1	20000301	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20000301
EP0731177 B1	20000315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0731177 B1	20000503	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP0731177 B1	20000516	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2143680 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0731177 B1	20000601	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20000601
EP0731177 B1	20000601	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20000601
EP0731177 B1	20000826	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : LU

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20000826
EP0731177 B1	20000828	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20000828
EP0731177 B1	20000831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 20000831
EP0731177 B1	20010131	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : ZENECA LIMITED TRANSFER- ASTRAZENECA AB REF LEGAL EVENT CODE : PUE
EP0731177 B1	20010214	LSGT	+26N	NO OPPOSITION FILED	
EP0731177 B1	20010530	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP0731177 B1	20040901	LSAS	NLS	NL: ASSIGNMENTS OF EP-PATENTS	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : ASTRAZENECA UK LIMITED
EP0731177 B1	20050902	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CD
EP0731177 B1	20050902	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : TP
EP0731177 B1	20080625	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : ASTRAZENECA AB REF LEGAL EVENT CODE : PFA OLDPARTY : ASTRAZENECA AB# #151 85 SOEDERTAELJE (SE) - TRANSFER TO- ASTRAZENECA AB# #151 85 SOEDERTAELJE (SE)
EP0731177 B1	20111031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20110729 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20110804 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20110811 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20110831 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20110722 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20110805 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20111230	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20110816 YEAR OF FEE PAYMENT : 20

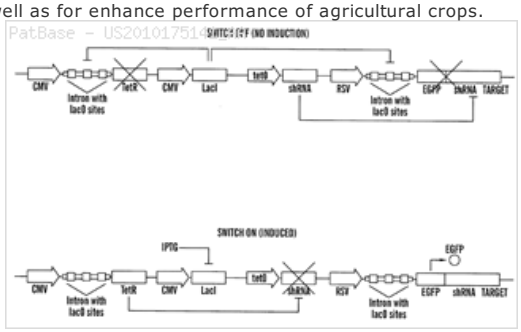
EP0731177 B1	20111230	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20110812 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20120131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20110916 YEAR OF FEE PAYMENT : 20
EP0731177 B1	20120826	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R071 REF DOCUMENT NUMBER : 69230736 COUNTRY OF REF DOCUMENT : DE
EP0731177 B1	20120828	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R071 REF DOCUMENT NUMBER : 69230736 COUNTRY OF REF DOCUMENT : DE
EP0731177 B1	20120831	LSLE	-BE20	BE: PATENT EXPIRED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : *ASTRAZENECA A.B. EFFECTIVE DATE : 20120826
EP0731177 B1	20120831	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0731177 B1	20120905	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V4 EFFECTIVE DATE : 20120826
EP0731177 B1	20120919	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : PE20 EXPIRY DATE : 20120825
EP0731177 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20120828
EP0731177 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20120825
EP0731177 B1	20121122	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20121122
EP0731177 B1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20120827
EP0731177 B1	20120825	PEXP		Calculated Patent Term Expiry	
EP0731177 B1	20120826	PEXP		Calculated Patent Term Expiry	
ES2143680 T3	20000516	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2143680 T3	20000516	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 731177 COUNTRY OF REF DOCUMENT : ES
ES2143680 T3	20120826	PEXP		Calculated Patent Term Expiry	
GB2259138 A1	19930303	LSPB	+	published / reissued	
GB2259138 B2	19950823	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2259138 B2	20080423	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20070826

GB2259138 B2	20120826	PEXP		Calculated Patent Term Expiry	
JP6205700 A2	19940726	LSPB	+	published / reissued	
NZ244089 A	19950127	LSPB	+	published / reissued	
NZ244089 A	20021122	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	
US5811235 A	19980922	LSGT	+	granted / extensions (spc, cpc, pte)	
US5811235 A	19980817	LSGT	PAT1	Patented Case	
US5811235 A	19980817	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5811235 A	20020226	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5811235 A	20060623	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5811235 A	20100219	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5811235 A	20150922	PEXP		Calculated Patent Term Expiry	
US5853989 A	19981229	LSGT	+	granted / extensions (spc, cpc, pte)	
US5853989 A	19960819	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ZENECA LIMITED, ENGLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:JEFFREYS, ALEC JOHN; LITTLE, STEPHEN; FERRIE, RICHARD MARK; AND OTHERS; REEL/FRAME:008125/0371; SIGNING DATES FROM 19960805 TO 19960806
US5853989 A	19981221	LSGT	PAT1	Patented Case	
US5853989 A	19981221	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5853989 A	20020131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ORCHID BIOSCIENCES EUROPE LIMITED, ENGLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ZENECA LIMITED (NOW SYNGENTA LIMITED); REEL/FRAME:012530/0783 EFFECTIVE DATE : 20011130
US5853989 A	20020530	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5853989 A	20060605	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5853989 A	20100603	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5853989 A	20160506	PEXP		Calculated Patent Term Expiry	

49) Family number: 41774398 (US2010175141A)

Title: TUNABLE GENETIC SWITCH FOR REGULATING GENE EXPRESSION

Abstract: The present invention relates generally the field of genetics, in particular methods, compositions and systems for controlling the inducible expression of transgenes, while eliminating background expression of transgene expression. The present invention relates to methods of use of the compositions and systems as disclosed herein for controlling the inducible expression of transgenes while eliminating background expression of transgene expression, such as use in, for example, the in generation of transgenic animals, use in therapeutic application and use in assays. In some embodiments, the present invention relates to a system of controlled expression of RNAi molecules which target binding sites in the untranslated regions of transgene, thereby the expression of the transgene is modulated and leakiness is reduced. The compositions and methods of the present invention can be used to for therapy, prophylaxis, research and diagnostics in diseases and disorders which afflict mammalian species, generation of transgenic animals, in the study of biological processes as well as for enhance performance of agricultural crops.



Classifications:
International (IPC 8-9)**:** A01K67/00 A61K45/00 A61P43/00 C12N15/09 C12N15/11 C12N15/63 C12N15/74 C12N15/85 C12N5/071 G01N33/53 (Advanced/Invention);
A01K67/00 A61K45/00 A61P43/00 C12N15/09 C12N15/63 C12N15/74 C12N15/85 C12N5/071 G01N33/53 (Core/Invention)
CPC: C12N15/85 C12N15/111 C12N15/63 C12N2310/14 C12N2320/30 C12N2800/30 C12N2830/005 C12N2830/006 C12N2830/50 C12N2840/102
European: C12N15/11M C12N15/63 C12N15/85 M12N310/14 M12N320/30 M12N800/30 M12N830/00A2 M12N830/00A2A M12N830/50 M12N840/10A
US: 1/1 424/93.21 424/93.210S 435/320.1 435/320.100S 435/325 435/325S 435/366 435/366S 435/7.21 435/7.210S 800/13 800/13P

Family:

Publication number	Publication date	Application number	Application date
US2010175141 AA	20100708	US20070446300	20071019
US9388425 BB	20160712	US20070446300	20071019
WO08051854 A2	20080502	WO2007US81965	20071019
WO08051854 A3	20080731	WO2007US81965	20071019
WO08051854 C2	20080619	WO2007US81965	20071019

Priority:
US20060853357P 20061020 US20070446300 20071019 WO2007US81965 20071019

Probable Assignee: TRUSTEES OF BOSTON UNIV

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Assignee(s): NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; TRUSTEES OF BOSTON UNIV ; TRUSTEES OF BOSTON UNIVERSITY

Inventor(s): (std)**:** COLLINS JAMES J ; DEANS TARA L

Agent(s): RONALD I EISENSTEIN; NIXON PEABODY LLP; EISENSTEIN RONALD I

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2010175141 AA	20100708	LSPB	+	published / reissued	
US2010175141 AA	20110805	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL INSTITUTES OF HEALTH (NIH), U.S. DEPT. OF OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:BOSTON UNIVERSITY CHARLES RIVER CAMPUS; REEL/FRAME:026707/0154 EFFECTIVE DATE : 20110725
US2010175141 AA	20160622	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9388425 BB	20160712	LSGT	+	granted / extensions (spc, cpc, pte)	
US9388425 BB	20080320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TRUSTEES OF BOSTON UNIVERSITY, MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS

					INTEREST; ASSIGNORS:COLLINS, JAMES J.; DEANS, TARA L.; REEL/FRAME:020678/0164 EFFECTIVE DATE : 20080123
US9388425 BB	20100208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TRUSTEES OF BOSTON UNIVERSITY, MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:COLLINS, JAMES J.; DEANS, TARA L.; SIGNING DATES FROM 20090519 TO 20090915; REEL/FRAME:023910/0940
US9388425 BB	20150624	LSES	NFA1	Non Final Action Mailed	
US9388425 BB	20160622	LSGT	PAT1	Patented Case	
US9388425 BB	20310821	PEXP		Calculated Patent Term Expiry (PTA 1402 days)	
WO08051854 A2	20080502	LSPB	+	published / reissued	
WO08051854 A3	20090421	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08051854 A3	20091111	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 07844468 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO08051854 A3	20100204	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12446300 COUNTRY OF REF DOCUMENT : US

50) Family number: 50737422 (US2013230508A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF TYROSYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K31/7088 A61K31/713 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/53 A61K39/395 A61K47/48 A61K48/00 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P37/06 A61P9/00 C07K1/00 C07K14/47 C07K16/40 C07K19/00 C12M1/40 C12M3/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/52 C12N5/10 C12N9/00 C12N9/96 C12Q1/25 C12Q1/68 G01N33/15 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N33/566 G01N33/573 (Advanced/Invention);
C12P21/08 (Advanced/Non-invention)
CPC: A61K38/16 G01N33/573 A61K38/00 C07K2317/92 G01N2333/9015 C12Y601/01001 C12Y601/01 C07K2317/24 C07K2317/622 C07K16/40 C12N9/93
European: A61K38/16
US: 1/1 424/139.1 424/94.5 435/183 435/188 435/375 435/7.4 530/350 530/387.9 530/395 536/23.2

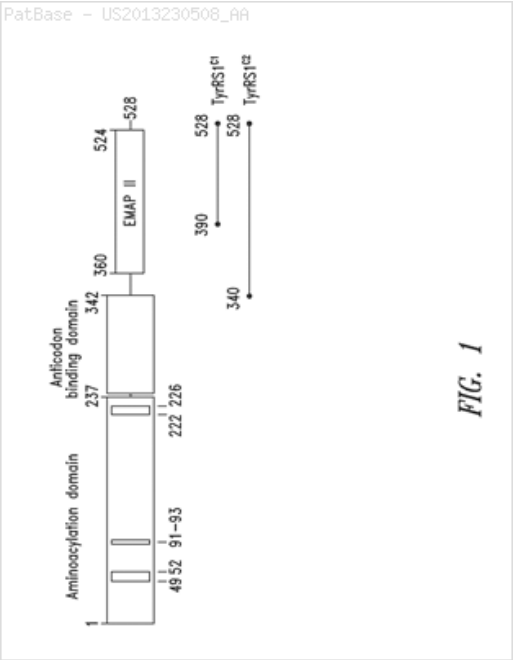


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU2011293294 AA	20120301	AU20110293294	20110825
AU2011293294 BB	20160324	AU20110293294	20110825
CA2808539 AA	20130214	CA20112808539	20110825
CN103108650 A	20130515	CN201180032668	20110825
EP2608801 A2	20130703	EP20110820682	20110825
EP2608801 A4	20140917	EP20110820682	20110825
IN00744CN2013 A	20160520	IN2013CN00744	20130130
JP2013542717 T2	20131128	JP20130526163T	20110825
JP5964304 B2	20160803	JP20130526163T	20110825
US2013230508 AA	20130905	US20110818929	20110825
US2015353914 AA	20151210	US20150684052	20150410
US2017066840 AA	20170309	US20160216058	20160721
US9029506 BB	20150512	US20110818929	20110825
US9428743 BB	20160830	US20150684052	20150410
WO12027611 A2	20120301	WO2011US49223	20110825
WO12027611 A3	20120518	WO2011US49223	20110825

Priority:

US20100377006P 20100825 US20110488616P 20110520 US20110818929 20110825
WO2011US49223 20110825 US20130818929 20130521 US20150684052 20150410
US20160216058 20160721

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; LO WING SZE ; QUINN CHERYL L ; VASSEROT ALAIN PHILIPPE ; PANGN BIOPHARMA LTD ; WATKINS JEFFRY D ; ATYR PHARMA INC ; CHIANG KYLE P ; GREENE LESLIE ANN ; HONG FEI

Assignee(s): PANGU BIOPHARMA LIMITED

Inventor(s): (std): VASSEROT ALAIN PHILIPPE ; LO WING SZE ; GREENE LESLIE ANN ; HONG FEI ; QUINN CHERYL L ; WATKINS JEFFRY D ; VASSEROT ALAIN P ; MENDLEIN JOHN D ; CHIANG KYLE P

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND MARTIN; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2011293294 AA	20120301	LSPB	+	published / reissued	
AU2011293294 BB	20160324	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011293294 BB	20160721	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011293294 BB	20310825	PEXP		Calculated Patent Term Expiry	
CA2808539 AA	20130214	LSPB	+	published / reissued	
CA2808539 AA	20160826	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160818
CN103108650 A	20130515	LSPB	+	published / reissued	
CN103108650 A	20130515	LSPB	+C06	PUBLICATION	
CN103108650 A	20170908	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
EP2608801 A2	20130703	LSPB	+	published / reissued	
EP2608801 A2	20130703	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130320
EP2608801 A4	20140917	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140819
EP2608801 A4	20140917	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/10 20060101ALI20140812BHEP
EP2608801 A4	20140917	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 39/395 20060101ALI20140812BHEP
EP2608801 A4	20140917	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/08 20060101ALI20140812BHEP
EP2608801 A4	20140917	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 29/00 20060101ALI20140812BHEP
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EP2608801 A4	20140917	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 25/00 20060101ALI20140812BHEP
EP2608801 A4	20140917	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20140812BHEP
EP2608801 A4	20151014	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150910
EP2608801 A4	20190410	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190313

IN00744CN2013 A	20160520	LSPB	+	published / reissued	
JP2013542717 T2	20131128	LSPB	+	published / reissued	
JP2013542717 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013542717 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013542717 T2	20150603	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150602
JP2013542717 T2	20151001	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151001
JP2013542717 T2	20151020	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20151001
JP2013542717 T2	20160204	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160203
JP2013542717 T2	20160502	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160502
JP2013542717 T2	20160523	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20160502
JP2013542717 T2	20160531	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013542717 T2	20160602	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160602
JP2013542717 T2	20160707	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160629
JP2013542717 T2	20160708	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5964304 COUNTRY OF REF DOCUMENT : JP
JP5964304 B2	20160803	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5964304 B2	20160609	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5964304 B2	20160705	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5964304 B2	20160708	LSGT	+R150	特許証 (Patent certificate)	
JP5964304 B2	20190627	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5964304 B2	20190702	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5964304 B2	20310825	PEXP		Calculated Patent Term Expiry	
US2013230508 AA	20130905	LSPB	+	published / reissued	
US2013230508 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0745 EFFECTIVE DATE : 20130418
US2013230508 AA	20150121	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:034773/0649
US2013230508 AA	20150422	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015353914 AA	20151210	LSPB	+	published / reissued	
US2015353914 AA	20160318	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:038033/0313
US2015353914 AA	20160318	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:038033/0399 EFFECTIVE DATE : 20130418
US2015353914 AA	20160810	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017066840 AA	20170309	LSPB	+	published / reissued	
US2017066840 AA	20161130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:040468/0676 EFFECTIVE DATE : 20130418
US2017066840 AA	20161130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130419 TO 20130514; REEL/FRAME:040468/0686
US2017066840 AA	20180831	LSES	NFA1	Non Final Action Mailed	
US2017066840 AA	20190306	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US9029506 BB	20150512	LSGT	+	granted / extensions (spc, cpc, pte)	
US9029506 BB	20150422	LSGT	PAT1	Patented Case	
US9029506 BB	20181112	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9029506 BB	20311220	PEXP		Calculated Patent Term Expiry (PTA 117 days)	
US9428743 BB	20160830	LSGT	+	granted / extensions (spc, cpc, pte)	

US9428743 BB	20160722	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9428743 BB	20160810	LSGT	PAT1	Patented Case	
US9428743 BB	20350410	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO12027611 A2	20120301	LSPB	+	published / reissued	
WO12027611 A2	20110825	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180032668.9 COUNTRY OF REF DOCUMENT : CN
WO12027611 A3	20130208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013526163 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12027611 A3	20130214	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2808539 COUNTRY OF REF DOCUMENT : CA
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WO12027611 A3	20130320	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011820682 COUNTRY OF REF DOCUMENT : EP
WO12027611 A3	20130321	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011293294 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110825 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12027611 A3	20130521	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13818929 COUNTRY OF REF DOCUMENT : US

51) Family number: 1440 (BRMU7300926U)

Title: Disposicao construtiva em elementos e acessorios para composicao de sequandrias de correr Constructive disposition in elements and accessories for sliding sequandrias structure (Machine translation)

Abstract: Source: BRMU7300926U [PT] [Source: Claim 1] REIVINDICACOES 1 and) "DISPOSICAO CONSTRUTIVA KM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", esquadrias estas que englobam janelas e portas de correr de dois 5 planos, janelas e portas de correr de tres planos, e janelas articuladas, sendo que o marco das janelas e portas de correr de dois planos e constituido por um perfil inferior (Al), um perfil superior (A2) e dois perfis laterais (A3), caracterizada pelo fato de o 10 perfil inferior (Al) apresentar seu trecho inferior com segao em forma de "U" invertido, substancialmente baixo em relacao a largura, com seu ramo central (1) desenvolvido em uma superficie ligeiramente inclinada para baixo, do ramo vertical (2), interno em relacao 15 a janela ou porta, para o ramo vertical (3), externo, ditos ramos (2) e (3) sendo dotados de curtas extremidades (2") e (3) fletidas ortogonalmente uma em direcao a outra, sendo que, da borda mais alta do referido ramo central (1), e ligeiramente deslocada 20 em relacao ao ramo vertical interno (2), projeta-se para cima uma aba vertical (4), com aproximadamente o dobro da altura do referido ramo (2), enquanto que, da regiao mediana do ramo central (1), projetam-se para cima duas abas verticais (5), cuja altura 25 ultrapassa ligeiramente a metade da altura da aba (4), e cujas extremidades (6) apresentam-se em forma de "U" invertido, com seus respectivos ramos livres voltados para sentidos opostos, ditas extremidades (6) delimitando um canal longitudinal (7), de secao > v;: cilindrica, e apresentando sua face superior (6') desenvolvida em uma superficie ligeiramente convexa; o perfil superior (A2) apresenta seu trecho superior com secao em forma de "U", substancialmente baixo em relacao a largura, sendo que o ramo central (8) do dito perfil apresenta-se desenvolvido na horizontal, e seus ramos verticais (9) sao providos de curtas extremidades (9') fletidae ortogonalmente uma em direcao a outra, enquanto que das bordas livres do referido ramo central (8), projetam-se para baixo duas abas verticais (10), com aproximadamente o dobro da altura dos ramos verticais superiores. (9), e desenvolvidas em um curto trecho superior (11) alinhado com estes ultimos, seguindo-se outro trecho (11') ligeiramente deslocado para dentro em relacao aos mesmos, sendo que, da regiao mediana do ramo central (8), projetam-se para baixo duas outras abas verticais (12), de mesma altura que a das abas (10), e cujas extremidades (13) apresentam-se em forma de "U", com seus respectivos ramos livres voltados para sentidos opostos, ditas extremidades (13) delimitando um canal longitudinal (14), de secao cilindrica, e apresentando sua face inferior (13) desenvolvida em uma superficie ligeiramente convexa, enquanto que as abas verticais (12) sao dotadas, proximo ao ramo central (8), de respectivas projecoes longitudinais internas (15), voltadas uma em direcao a outra; os dois perfis laterais (A3), apresentam-se com secao em forma de "H" substancialmente baixo, sendo que as extremidades externas dos ramos laterais (16), que ficam voltadas para fora do vao, apresentam-se fletidas ortogonalmente uma em direcao a outra, num curto trecho (16), enquanto que, do ramo central (17), proximo a um dos ramos laterais (16), projeta- se para dentro do vao um par de abas (18) 35 = '::I2 1Igeiramente inclinadas uma em direcao a outra, e cuj as extremidade s 1 ivre s al inham-se com as extremidades internas dos ramos laterais (16), ditas abas (18) sendo dotadas, proximo ao ramo central (17), de respectivas projecoes longitudinais internas (19) , voltadas uma em direcao a outra. 2a) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo oom a reivindicacao 1, o maroo das janelas e portas de correr de tres planos sendo constituido por um perfil inferior (Bl), um perfil superior (B2) e dois perfis laterais (B3) e (B4), caracterizada pelo fato de o perfil inferior (Bl) apresentar seu trecho inferior com secao em forma de "U" invertido, substancialmente baixo em relacao a largura, com seu ramo central (20) desenvolvido em uma superficie ligeiramente inclinada para baixo, do ramo vertical (21), interno em relacao a janela ou porta, para o ramo vertical (22), externo, ditos ramos (21) e (22) sendo dotados de curtas extremidades (21') e (22') fletidas ortogonalmente uma em direcao a outra, sendo que, da borda mais alta do referido ramo Central (20) , e ligeiramente deslocada em relacao ao ramo vertical interno (21), projeta-ee para cima uma aba vertical (23), com aproximadamente o dobro da altura do referido ramo (21), enquanto que, do ramo central 120), projetam-se para cima tres outras abas verticais (24), cuja altura ultrapassa ligeiramente a metade da altura da aba (23), e cujas extremidades (25) apresentam-se em forma de "U" invertido, duas delas voltadas para um mesmo lado, e a terceira voltada para o lado oposto; ditas extremidades (25) delimitando um canal longitudinal (26), de secao cilindrica, e apresentando sua face superior (25') desenvolvida em uma superficie ligeiramente convexa; 35 son- **_ oi s::•*.1.! b 4 o perfil superior (B2) apresenta seu trecho superior oom secao em forma de "U", substancialmente baixo em relacao a largura, sendo que o ramo central (27) do dito perfil apresenta-se desenvolvido na horizontal, 5 e seus ramos verticais (28j sao providos de curtas extremidades (28') flatidas ortogonalmente uma em direcao e outra, enquanto que das bordas livres do referido ramo central (27),. projetam-se para baixo duas abas verticais (29), com aproximadamente o dobro 10 da altura dos ramos verticais superiores (28), e desenvolvidas em um curto trecho superior (30) alinhado com estes ultimos, seguindo-se outro trecho (30") ligeiramente deslocado para dentro em relacao aos meemos, sendo que, do ramo central (27), 15 projetam-se para baixo tres outras abas verticais (31), de mesma altura que a das abas (29), e cujas extremidades (32) apresentam-se em forma de "U", duas delas voltadas para um mesmo lado, e a terceira voltada para o lado oposto, ditas extremidades (32) 20 delimitando um canal longitudinal (33), de secao cilindrica, e apresentando sua face inferior (32") desenvolvida em uma superficie ligeiramente convexa, sendo que as abas verticais (31) sao ainda dotadas, proximo ao ramo central (27), de respectivas 25 projecoes longitudinais internas (34), duas delas voltadas em direcao a terceira; um dos perfis laterais (B3) apresenta-se com secao em forma de "H" substancialmente baixo, sendo que as extremidades externas dos ramos laterais (35), que ficam voltadas l,30 para fora do vao, apresentam-se fletidas ortogonalmente uma em direcao a outra, num curto trecho (35), enquanfco que, do ramo central (36), projetam-se para dentro do vao, e proximo aos ramos laterais (35), dois pares de abas (37) ligeiramente inclinadas uma em direcao a outra, e cujas 35 6 10 15 20 25 30 extremidades livres alinham-se com as extremidades internas dos ramos laterais (35), ditas abas (37) sendo dotadas, proximo ao ramo central (36), de respectivas projecoes longitudinais internas (38), voltadas uma em direcao a outra; o outro perfil lateral (B4), apresenta-se com secao em forma de "H" substancialmente baixo, sendo que as extremidades externas dos ramos laterais (39), que ficam voltadas para fora do vao, apresentam-se fletidas ortogonalmente uma em direcao a outra, num curto treoho (39), enquanto que, da regiao mediana do ramo central (40), projeta-se para dentro do vao um par de abas (41) ligeiramente inclinadas uma em direcao a outra, e cujas extremidades livres alinham-se com as extremidades internas dos ramos laterais (39), ditas abas (41) sendo dotadas, proximo ao ramo central (40), de respectivas projecoes longitudinais internas (42) voltadas uma em direcao, a outra. 3a) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com as reivindicacoes 1 e 2, constituindo uma variacao construtiva para os perfis laterais que compoem os marcos das esquadrias de correr, quais sejam, os perfis (A3) das janelas e portas de dois planos, e os perfis (B3) e (B4) das janelas e portas de tres planos, a qual preve um perfil (C) que recebe a fixacao de um ou dois outros perfis (C), denominados "matajunta", caracterizada pelo fato de o perfil (C) apresentar-se com secao em forma de um "h" substancialmente baixo em relacao a "largura, sendo que o ramo central (43) do referido perfil apresenta- se totalmente plano, enquanto que as extremidades externas dos ramos laterais maior (44) e menor (45), que ficam voltadas para fora do vao, apresentam-se fletidas ortogonalmente uma em direcao a outra, num 35 curto trecho (44') e (45); o perfil (C'), apresenta-se com secao basicamente em forma cie um "L", cujo ramo mais longo (46) apresenta, em ambas as suas extremidades, uma respectiva e curta projecao (47), uma delas constituindo prolongamento do proprio ramo mais curto (48) do referido "L", sendo ainda prevista uma terceira projecao (49), identica as anteriores, e disposta bem mais proxima ao ramo mais curto (48), enquanto que, do referido ramo mais longo (46) , projeta-se em sentido oposto ao das projecoes (47) e (49), um par de abas (50) ligeiramente inc 1 inadas uma em direcao a outra, e ouj as extremidades livres alinham-se com a extremidade livre do ramo mais curto (48), ditas abas (50) sendo dotadas, proximo ao ramo mais longo (46), de respectivas projecoes longitudinais internas (51), voltadas uma em direcao a outra. 43) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 1, o marco das janelas articuladas sendo constituido por um perfil inferior (Dl), um perfil superior (D2), dois perfis laterais (C), duas matajuntas (C'), e dois perfie-batente (E), caracterizada pelo fato de o perfil inferior (Dl), apresentar seu trecho inferior com secao em forma de "U" invertido, substancialmente baixo em re lacao a largura, com seu ramo central (52) desenvolvido em uma superficie ligeiramente inclinada para baixo, do ramo vertical (53), interno em relacao a janela, para o ramo vertical (64), externo, sendo que o ramo vertical interno (53), mais longo, apresenta-se desenvolvido em um curto treoho superior (55), seguido de outro (55') ligeiramente deslocado para fora, dito ramo (53) apresentando sua extremidade livre (53') fletida ortogonalmente em 5 10 15 20

25 30 direcao ao ramo externo i54), mais curto, enquanto que das extremidades superior e inferior do referido ramo externo (54), projetam-se respectivas. pequenas abas em forma de "L" (56), que delimitam a formacao de uma oanaleta longitudinal (57), de secao quadrangular, seguindo-se entao um trecho (58) tambem em forma de "L", que delimita a formacao de um canal longitudinal (59), de secao cilindrica, seguindo-se finalmente um trecho (60) em forma de "U", que delimita a formacao de um canal longitudinal (61), de secao quadrangular, sendo que, da borda mais alta do ramo central (52), projeta-se para cima uma aba vertical (62), com aproximadamente o dobro da altura do ramo (53), enquanto que, da regiao mediana do referido ramo central (52), projetam-se para cima duas outras abas verticais (63), cuja altura ultrapassa ligeiramente a metade da altura da aba (62), e cujas extremidades (64) apresentam-se em forma de "U" invertido, com seus respectivos ramos livres voltados para sentidos opostos, ditas extremidades (64) delimitando um canal longitudinal (65), de secao cilindrica, e apresentando sua face superior (64') desenvolvida em uma superficie ligeiramente convexa; o perfil superior (D2), apresenta seu trecho superior com secao em forma de "U", substancialmente baixo em relacao a largura, sendo que o ramo central (66) do dito perfil apresenta-se desenvolvido na horizontal, e seu ramo vertical interno (67), mais longo, e provido de curta extremidade (67') ¦ fletida ortogonalmente em direcao ao ramo vertical externo.(68), mais curto, enquanto que das extremidades superior e inferior do referido ramo externo (68), projetam-se respectivas pequenas abas em forma de "L" (69), que delimitam a formacao de uma oanaleta longitudinal (70), de secao 35 quadrangular, seguindo-se entao um trecho (71) tambem em forma de "L", que delimita a formacao de um canal longitudinal (72), de secao cilindrica, seguindo-se finalmente um trecho (73) em forma de "U" invertido, que delimita a formacao de um canal longitudinal (74), de secao quadrangular, sendo que, das bordas do ramo central (66), projetam-se para baixo duas abas verticais (75),. com aproximadamente o dobro da altura do ramo vertical interno (67), enquanto que, da regiao mediana do referido ramo central (66), projetam-se para baixo duas outras abas verticais (76), de mesma altura que a das abas (75), e cujas extremidades (77) apresentam-se em forma de "U", com seus respectivos ramos livres voltados para sentidos opostos, ditas extremidades (77) delimitando um canal longitudinal (78), de secao cilindrica, e apresentando sua face inferior (77') desenvolvida em uma superficie ligeiramente convexa, ditas abas verticais (76) sendo ainda dotadas, proximo ao ramo central (66), de respectivas projecoes longitudinais internas (79), voltadas uma em direcao a outra; o perfil-batente (E) apresenta-se com secao em forma de um "H" estilizado, cujo ramo central (80) apresenta- se deslocado do eixo mediano da peca, disposto mais proximo de uma das extremidades dos ramos laterais (81) , estes ultimos apresentando suas extremidades (81') fletidas ortogonalmente uma em direcao a outra, sendo que de um dos ramos (81), projeta-se um trecho (82) , com secao em "L", e com altura aproximadamente igual a altura dos referidos ramos (81). 5S) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 1, as folhas das janelas de correr podendo se apresentar a 90 degrees ou a 45*, e em ambos os casos, podendo receber vidro ou veneziana, sendo que o quadro das folhas das janelas de correr a 90 degrees, que recebem vidro, e constituido por duas travessas (F), a superior e a inferior, um montante lateral (G), um montante central, que pode ser externo (H) ou interno (ET), e quatro baguetes (I), que seguram o vidro, e adicionalmente, no caso de janelas de dois planos com quatro folhas, uma das folhas centrais apresentando, em substituicao aos montantes centrais (H) ou (H'), um montante central especifico (H"), payactepizada pelo fato de as travessas (F), apresentarem secao em forma de "U", cujo ramo horizontal (83) desenvolve-se em um curto trecho saliente (83'), seguido de outro (83") mais longo, reentrants, este ultimo "sendo dotado de projecoes (84) voltadas uma em direcao a outra, bem como, do lado oposto, de projecoes (85) que delimitam a formacao de um canal longitudinal (86), de secao cilindrica, sendo que um dos ramos verticais (87) do referido "U" e dotado, proximo a sua extremidade livre, de uma projecao interna (88), enquanto que o outro ramo (89) e dotado, junto a sua extremidade livre, de duas projecoes (90) voltadas uma em direcao a outra, e que delimitam a formacao de uma canaleta longitudinal (91), de secao quadrangular, dito ramo (89) prolongando-se num curto trecho vertical (89'); o montante lateral (G), apresenta secao quadrangular, com um de seus ramos (92) desenvolvido em um curto trecho saliente (92'), seguido de outro (92'') mais longo, reentrants, este ultimo sendo dotado de projecoes (93) voltadas uma em direcao a outra, sendo que um doe ramos (94) adjacentes ao ramo (92), prolonga-se para fora em relacao ao ramo (95) oposto ao dito ramo (92), num trecho (94') com extremidade arqueada para dentro, o qual e dotado de projecao interna (96) disposta bem proximo ao ramo 10 (95), enquanto que o outro ramo (97) adjacente ao ramo (92) prolonga-se para fora em relacao aos ramos (92) e (95), em respectivos trechos (97') e (97"), o trecho (97'), com extremidade arqueada para dentro, sendo dotado de duas projecoes internas (98), que delimitam a formacao de uma canaleta longitudinal (99), de secao quadrangular; o montante central externo (H) apresenta secao quadrangular, com um de seus ramos (100) dotado de projecoes (101) voltadas uma em direcao a outra, sendo que, de uma delas, prolonga-se para fora uma aba (102) com secao em "L", provida de projecoes externas (103) que delimitam a formacao de uma canaleta (104), de secao quadrangular, aba esta dotada ainda de projecao inclinada (105), enquanto que o ramo (106) oposto ao ramo (100) desenvolve-se em um curto trecho inicial (106'), saliente, seguido de outro (106'') mais longo, reentrants, este ultimo sendo dotado de projecoes (107) voltadas uma em direcao a outra, um dos ramos (108) adjacentes aos ramos (100) e (106), prolongando-se para fora em relacao a este ultimo, num trecho (108'); o montante central interno (H'), apresenta secao quadrangular, com um de seus ramos (109) desenvolvido em um curto trecho inicial (109'), saliente, seguido de outro" (109") mais longo, reentrants, este ultimo sendo dotado de projecoes (110) voltadas uma em direcao a outra, enquanto que o ramo (111) oposto ao referido ramo (109), e provido de projecoes (112), tambem voltadas uma em direcao a outra, uma delas dotada de prolongamento externo (112'), um dos ramos (113) opostos aos ramos (109) e (111) , prolongando-se para fora em relacao ao primeiro, num trecho (113'), e sendo dotado de uma aba externa (114), em "L"; o montante central (H"), apresenta secao quadrangular, com um de seus ramos 5 10 15 20 25 30 11 :.: • M • e II MM (115) desenvolvido em um curto trecho inicial (115'), saliente, seguido de outro (116'') mais longo, reentrants, este ultimo sendo dotado de projecoes (116) voltadas uma em direcao a outra, enquanto que o ramo (117) oposto ao referido ramo (115) e provido de projecoes (116), tambem voltadas uma em direcao a outra, uma delas dotada de prolongamento ortogonal (118'), e a outra dotada de prolongamento em "L" (118''), cujo ramo mais longo e provido de duas projecoes internas (119), voltadas uma em direcao a outra, e" que delimitam a formacao de uma oanaleta longitudinal (120), de secao quadrangular, um dos ramos (121) adjacentes aos ramos (115) e (117) prolongando-se para fora em relacao ao primeiro, num trecho (121'); os baguetes (I) apresentam secao em forma de " U" estilizado, com um de seus ramos laterais (122) plano, e com o outro ramo lateral (123) desenvolvido em dois trechos obliquadoa para fora, sendo que a extremidade livre (122') do ramo (122) apresenta-se com secao em "C" estilizado, enquanto que a extremidade livre (123') do ramo (123) apresenta-se com secao em "M" estilizado. 6a) "DISPOSICAO CONSTRUTIVA BM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 5, o quadro das folhas das janelas de correr a 90*, que recebem veneziana, sendo constituido por duas travessas (F), a superior e a inferior, um montante lateral (J) e um montante central (K), e adicionalmente, no caso de janelas de doist planos com quatro folhas, uma das folhas centrais apresentando, em substituicao ao montante central (K), um montante central especified (K'), 35 caracterizada pelo fato de o montante lateral. (J) apresentar secao quadrangular, com dois ramos opostos (124) prolongando-se para fora em relacao aos outros 12 •••* •••• i -•: « a # • • i a dois ramos (125), em respectivos trechos (124') e (124"), estes ultimos com extremidade arqueada para dentro, sendo que um dos trechos (124") e provido de projecao interna (126), disposta bem proximo ao ramo (125), enquanto que o outro trecho (124") e dotado de duas projecoes internas (127) voltadas uma em direcao a outra, e que delimitam a formacao de uma oanaleta longitudinal- (128), de secao quadrangular; o montante central (K) apresenta secao quadrangular, com um de seus ramos (129), dotado de projecoes (130) voltadas uma em direcao a outra, sendo que, de uma delas, prolonga-se para fora uma aba (131) com secao em ¦ MLM, provida de projecoes externas (132) que delimitam a formacao de uma oanaleta (133), de secao quadrangular, aba esta dotada ainda de projecao inclinada (134), enquanto que os dois ramos (135) adjacentes ao ramo (129) prolongam-se para fora em relacao ao ramo (129'), em respectivos trechos (135'); o montante central (K') apresenta secao quadrangular, com um de seus ramos (136) dotado de projecoes (137), voltadas uma em direcao a outra, uma delas provida de prolongamento ortogonal (137'), e a outra provida de prolongamento em "L" (137"), cujo ramo mais longo o dotado de duas projecoes internas (138) , voltadas uma em direcao a outra, e que delimitam a formacao de uma oanaleta longitudinal (139) , de secao quadrangular, sendo que os dois ramos (140) adjacentes ao ramo (136) prolongam-se para fora em relacao ao ramo (136'), em respectivos trechos (140'). 1 7A) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER1*, de acordo com a reivindicacao 5, o quadro das folhas das janelas de correr a 45 degrees, que recebem vidro, sendo constituido por duas travessas (L), a superior e a 7300925 10 -15 20 25 30 35 13 inferior, um montante lateral (M), um montante central, que pode ser externo (N) ou interno (N*), e quatro baguetes (I), caraoteriawda pelo fato de as travessas (L) apresentarem secao em forma de "U", cud o ramo central (141) desenvolve-se em um curto trecho inicial (141*), saliente, seguido de outro (141**) mais longo, reentrants, este. Ultimo sendo dotado de projecoes.(142) voltadas uma em direcao a outra, sendo que um dos ramos laterais (143) do referido "U" o dotado de projecao interna mediana (144) e, proximo a sua extremidade livre arqueada, de outra projecao interna (145), enquanto que o outro ramo lateral (146) e dotado de uma projecao interna (147), alinhada oom o trecho (141* *) do ramo (141), de uma projecao interna

mediana (148) e, proximo a sua extremidade livre, de duas projecoes (149), voltadas uma em direcao a outra, e que delimitam a formacao de uma canaleta longitudinal (150), de secao quadrangular, dito ramo (146) prolongando-se para fora em relacao ao ramo (141), num curto trecho (146'); o montante lateral (M) apresenta secao quadrangular, com um de seus ramos (151) desenvolvido em um curto trecho inicial (151*), saliente, seguido de outro (151") mais longo, reentrants, este ultimo sendo dotado de projecoes (152) voltadas uma em direcao a outra, sendo que um doe ramos (153) adjacentes ao ramo (151) e dotado de projecao mediana interna (154) e se prolonga para fora em relacao ao ramo (155) oposto ao ramo (151), num trecho (153 *) com extremidade arqueada, trecho este provido de projecao interna (156), disposta bem proximo ao referido ramo (155), enquanto que o outro ramo (157) adjacente ao ramo (151), tambem e dotado de projecao mediana interna (154) e tambem se prolonga para fora em relacao ao ramo (155), num trecho (157*) dotado de 14 uma projecao Interna (158) disposta bem proximo ao referido ramo (155), e de duas outras projecoes Internas (169), que delimitam a formacao de uma oanaleta longitudinal (160), de secao quadrangular, dito ramo (157) prolongando-se tambem para fora em relacao ao ramo (151), num curto trecho (157''); o montante. central externo (N) apresenta secao quadrangular, com um-de seus ramos (161) desenvolvido em curto trecho inicial (161'), saliente, seguido de outro (161") mais longo, reentrants, este ultimo sendo dotado de projecoes (162) voltadas uma em direcao a outra, enquanto que o ramo (163) oposto ao ramo (161) e provido de projecoes (164) tambem voltadas uma em direcao a outra, de uma das quais se prolonga para fora uma aba (165) com secao em "L", provida de projecoes externas (166) que delimitam a formacao de uma oanaleta (167), de secao quadrangular, aba esta dotada ainda de projecao inclinada (168), sendo que os ramos (169) adjacentes aos ramos (161) e (163) sao dotados de projecao mediana interna (170), sendo um deles ainda dotado de projecao interna (171), alinhada ao trecho (161") do ramo (161) bem como de prolongamento (169'), saliente em relacao ao ramo (161); o montante central interno (N') apresenta secao quadrangular, com um de seus ramos (172) desenvolvido em um curto trecho inicial (172'), saliente, seguido de outro (172") mais longo, reentrante, este ultimo sendo dotado de projecoes (173) voltadas uma em direcao a outra, enquanto que o ramo (174) oposto ao ramo (172),e provido de projecoes (175) tambem voltadas uma em direcao a outra, uma delas dotada de prolongamento externo (175'), sendo que ambos os ramos (176) adjacentes aos ramos (172) e (174) sao providos de projecao mediana interna (177), um deles 5 10 15 20 25 30 15 • • i • / 1101 #+ prolongando-se para fora em relacao ao ramo (172), num trecho vertical (176'), e sendo dotado de uma aba externa (178), em "L". 8A) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 5, o quadro das folhas das janelas de correr a 45", que recebem veneziana, sendo constituido por duas travessas (O), a- superior e a inferior, um montante lateral (P) e um montante central (Q), caracterizada pelo fato de as travessas (0), apresentarem secao em forma de "U", cujos ramos verticais (179) prolongam-se para fora em relacao ao ramo horizontal (180), em curtos trechos verticais (179'), ditos ramos sendo dotados de projecao mediana interna (181), sendo que um dos referidos ramos verticais (179) e dotado, proximo a sua extremidade livre arqueada, de outra projecao interna (182), enquanto que o outro ramo e dotado, tambem junto a sua extremidade livre, de duas projecoes (183) voltadas uma em direcao a outra, e que delimitam a formacao de uma canaleta longitudinal (184), de secao quadrangular; o montante lateral (P) apresenta secao quadrangular, com dois ramos opostos (185) prolongando-se para fora em relacao aos outros dois ramos (186), em respectivos trechos (165') e (185''), ditos ramos (185) sendo providos de projecao interna mediana (187), sendo que um dos trechos (186") do perfil apresenta extremidade arqueada, e e dotado, proximo ao ramo (186), de projecao interna (188), enquanto que o outro trecho (185") e provido de mesma projecao Interna (188), seguida de duas projecoes (189) voltadas uma em direcao a outra, e que delimitam uma canaleta longitudinal (190), de secao quadrangular; o montante central (Q), apresenta secao quadrangular, com dois ramos opostos 36 5 10 15 20 25 30 35 7300928 16 riu7300926 (191) prolongando-se para fora em relacao ao ramo (192) adjacente, em respectivos trechos (191'), ditos ramos (191) sendo providos de projecao interna mediana (193), sendo que o ramo (194) oposto ao ramo (192) e dotado de projecoes (195) voltadas uma em direcao a outra, de uma das quais se prolonga para fora uma aba (196) com secao em "L", provida de projecoes externas (197) que delimitam a formacao de uma canaleta (198), de secao quadrangular, aba esta dotada ainda de projecao inclinada (199). 95) "Disposicao CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 5, o quadro das folhas articuladas sendo constituido por duas travessas (F), a superior e a inferior, e por dois montantes verticais (R), sendo que uma das folhas tem um de seus montantes verticais, mais especificamente seu montante vertical central, substituido por outro (S), caracterizada pelo fato de o montante vertical (R) apresentar secao quadrangular, com um de seus ramos (200) dotado de projecoes (201) voltadas uma em direcao a outra, enquanto que os dois ramos (202) adjacentes ao ramo (200) prolongam-se para fora em relacao ao ramo (203), em respectivos trechos (202'); o montante vertical central (S), apresenta secao quadrangular, oom um de seus ramos (204) dotado de projecoes (205) voltadas uma em direcao a outra, sendo que, de uma delas, prolonga-se para fora uma aba (206), com secao em "L", enquanto que os dois ramos (207) adjacentes ao ramo (204) prolongam-se para fora em relacao ao ramo (208), em respectivos trechos (204'). 105) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo oom as reivindicacoes 1 e 6, as folhas das 5 10 15 20 26 30 portas de correr podendo tambem se apresentar a 90 degrees ou a 45*, sendo que, em ambos os casos, o quadro das folhas e constituido por uma travessa Inferior (T), uma travessa intermediaria (U), uma travessa superior (F), um montante lateral (G), e, para a folha externa, um montante central (H), e para a folha interna, um montante central com reforco (V), alem de baguetes (I), caracterizada pelo fato de a travessa inferior (T) apresentar secao em forma de "U" invertido, substancialmente alto em relacao a largura, medianamente contraventado por ramo horizontal (208), o qual e inferiormente dotado de projecoes (209) que delimitam a formacao de um canal longitudinal (210), de secao cilindrica, sendo que o ramo horizontal superior (211) desenvolve-se em um curto trecho inicial (211'), saliente, seguido de outro (211") mais longo, reentrants, este ultimo sendo dotado de projecoes superiores (212) voltadas uma em direcao a outra, bem como de projecoes inferiores (213) que delimitam a formacao de um canal longitudinal (214), de secao cilindrica, enquanto que um dos ramos verticais (215) do referido "U" e dotado, proximo a sua extremidade livre, de uma projecao interna (216), e o outro ramo (217) 6 dotado, junto a sua extremidade livre, de duas projecoes (218) voltadas uma em direcao a outra, e que delimitam a formacao de uma canaleta longitudinal (219), de secao quadrangular, dito ramo (217) prolongando-se para cima, num curto trecho vertical (217); a travessa intermediaria (U), apresenta secao quadrangular, com do is ramos opostos (220) desenvolvidos em um curto trecho inicial (220'), saliente, seguido de outro (220'"), mais longo, reentrants, este ultimo sendo dotado de projecoes (221) voltadas uma em direcao a outra, bem como de 35 18 projecoes Internas (222) que delimitam a formacao de um canal longitudinal (223), de secao cilindrica, sendo que um doa outros dois ramos opostos (224) prolonga-se para fora em relacao aos ramos (220), em curtos trechos (224*); o montante central com reforco (V), e formado por dois perfis tubulares de secao basicamente quadrangular, interligados. entre si por um ramo vertical comum (225), sendo que um dos ramos (226) do perfil menor, adjacentes ao ramo (225), apresenta-se desenvolvido em um curto trecho saliente (226*), seguido de outro (226* *) mais longo, reentrants, este ultimo dotado de projecoes (227) voltadas uma em direcao a outra, enquanto que o outro ramo (228) adjacente ao ramo (225) e igualmente dotado de projecoes (229), tambem voltadas uma em direcao a outra, sendo que o ramo (230) do perfil maior, oposto ao ramo (225), apresenta-se desenvolvido em um trecho saliente (230*),. mais longo, seguido de outro (230") mais curto, reentrants, sendo prevista uma aba (231), prolongamento do referido trecho (230*). lla) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 1, e constituindo um do acessorios ora inovados, o qual preve um conjunto porta-roldana, que pode se apresentar em duas versoes (W) e (W*), caracterizada pelo fato de, na primeira versao, dito conjunto porta-roldana (W) ser constituido por peca basicamente paralelepipedal (232), com secao em "U" invertido, com as bordas inferiores fietidas para dentro, dita peca sendo provida, junto a uma de suas bordas, distais, de um recorte quadrangular superior (233) e, proximo a sua borda distai oposta, dc um orificio superior (234), sendo que, no interior da referida ¦ peca (232), 5 10 '15 20 26 30 encaixa-se outra (235), tambem basicamente paraislepipedal, com secao em "U" invertido, com as bordas inferiores voltadas para fora, as quais permanecem apoiadas sobre as bordas internas da peca externa (232), dita peca (235) sendo igualmente provida de recorte quadrangular superior (236) e de orificio superior (237), coincidentes com os da peca (232), sendo que um parafuso (23B) transpassa os referidos orificios (237) e (234), de baixo para cima, enquanto que, no espaco formado entre as paredes laterais (235') da peca interna (235), coincidentemente com os recortes (233) e (236), e disposta roldana (239), transpassada por eixo (24) formado por um trecho central (240'), do qual se projeta, de um lado, um pino (240") disposto excentricamente em relacao ao dito trecho, e passivel de se encaixar em correspondente orificio (241) previsto em uma das paredes laterais (236') da peca (235), e do outro, uma plaqueta quadrangular (240") coincidente com correspondente janela (242) prevista na outra parede lateral (235'); ditos orificio (241) e janela (242) apresentam-se alinhados, delimitando entre si, uma linha mediana longitudinal, em relacao a qual o trecho central (240') do e ixo (240) pode ficar disposto acima, coincidente ou abaixo, determinando tres posicoes para a roldana. 129,) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 11, caracterizada pelo fato de, na segunda versao, o conjunto porta-roldana (W') ser constituido por peca

basicamente paralelepipedal (243), com secao em "U" invertido, com as bordas inferiores fie tidas para dentro e para fora, dita peca (243) sendo medianamente provida de recorte quadrangular superior (244), e, proximo a uma 35 20 de suas bordas distais, de orificio superior (245), transpassado por parafuso (246), roscavel de baixo para cima, sendo que, no interior da peca (243), e encaixada outra (247) basicamente paralelepipedal, 5 com formato de "U" deitado, cujas bordas inferiores ficam apoiadas nas bordas internas da peca externa (243), entre cujos ramos laterais (247') aloja-se roldana (248) coincidente com o recorte mediano (244) da peca (243), e transpassada por um eixo horizontal 10 (249), cujas extremidades distais, depois de transpassarem correspondentes recortes (250) previstos nos referidos ramos laterais (247'), alojam-se em respectivos rasgos inclinados (251) previstos nas paredes laterais (243') da peca externa 15 (243); no ramo central (247'') da peca (247), e previsto recorte (252), transpassado por parafuso horizontal (253) cuja extremidade livre rosqueia-se no orificio (254) de plaqueta quadrangular vertical (255), plaqueta esta que apresenta suas bordas 20 laterais encaixadas em correspondentes rasgos verticais (256) previstos nas paredes laterais (243') da peca externa (243). 13A) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", 25 de acordo com a reivindicacao 1, e constituindo outro acessorio ora inovado, o qual preve uma guia de acabamento das folhas de correr, que pode apresentar duas versoes (X) e (X'), caracterizada pelo fato de, na primeira versao, a guia (X) ser formada por peca 30 laminar retangular (257), provida de abas verticais laterais (257'), dita peca (257) sendo dotada, em uma de suas extremidades distais, de ` recorte em "U" (258), e medianamente, de ressalto quadrangular frontal (259), com o qual coincide um rebaixo 35 posterior (260) tambem nela previsto, rebaixo este no 5 10 15 20 25 30 7300926 21 »« «ftftft qual se encaixa correspondente pIaqueta retangular (261), reforco para a peca; tanto o ressalto (259) como a plaqueta (261) sao providos de orificios coincidentes (262), transpassados por parafuso (263). 14A) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 13, caracterizada pelo fato de, na segunda versao, a guia (X') ser formada por peca laminar retangular (264), provida de abas laterais verticais (264"), e dotada,em uma de suas extremidades distais, de recorte (265) basicamente quadrangular, no qual ee encaixa o correspondente ressalto (266') de plaqueta retangular (266), devidamente fixada na face posterior da peca (264), dito ressalto (268') sendo dotado de recorte (267) em forma de "U"» dita peca (264) sendo ainda dotada de orificio mediano (268), transpassado por parafuso (269). 15A) "DISPOSICAO CONSTRUTIVA EM ELEMENTOS. E ACESSORIOS PARA COMPOSICAO DE ESQUADRIAS DE CORRER", de acordo com a reivindicacao 1 e constituindo um teroeiro acessorio ora inovado,o qual preve um contra-fecho (Y) para a lingueeta (1) da usual concha (o) das folhas de correr, caracterizada pelo fato de o dito contra-fecho (Y) ser const ituido por peca laminar retangular (270), dotada de abas laterais verticais (270') e de projecao frontal (271) em forma de "L", apoio para a lingueeta (1) da referida concha (c) das folhas de correr, sendo que abaixo da projecao (271), a peca (270) e provida de orificio (272) transpassado por parafuso (273).

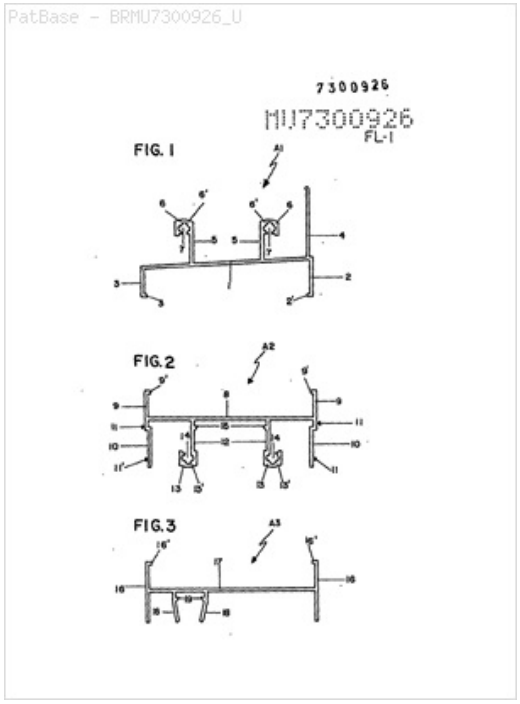
Machine translation: [Source: Claim 1] CLAIMS 1 and) "CONSTRUCTIVE DISPOSITION KM elements and ACCESSORIES for SLIDING MITER STRUCTURE", these frames that span Windows and sliding doors of 2 5 plans, Windows and sliding doors of three plans, and hinged Windows and the Windows and doors of two plans and consists of a bottom section (Al), a higher profile (A2) and two side profiles (A3) characterized by the fact that the bottom 10 (Al) present their lower stretch with segao "U" shaped inverted, substantially below regarding the width, with its central branch (1) developed into a surface slightly tilted down, vertical branch (2), regarding the 15 domestic window or door, to the vertical branch (3), external, said ramos (2) and (3) being equipped with short ends (2) and (3) fletidas one in the other direction at right angles and the highest edge referred to central branch (1), and slightly out of place 8:00 pm concerning the internal vertical branch (2), projected to top a vertical tab (4), with approximately twice the height of that branch (2), whereas the median region central branch (1), protrude up two vertical tabs (5), whose height exceeds 25 slightly half the height of the tab (4), and whose ends (6) present in inverted "U" shape, with their respective free branches facing opposite directions, said ends (6) defining a longitudinal channel (7) of section> v;:, and presenting his cylindrical upper face (6 ') developed in a slightly convex surface; the upper profile (A2) presents his top with stretch section in "U" shape, substantially below regarding the width, and the central branch (8) of said profile features developed on horizontal, vertical and its branches (9) are fitted with short ends (9 ') fletidae one in the other direction at right angles, while the edges free of the central branch (8), protrude down two vertical tabs (10), with roughly twice the height of the vertical branches above. (9), and developed in a short snippet (11) in line with these last, followed by another excerpt (11 ') slightly shifted in relation to the same inside, and median region of central branch (8), protrude down two other vertical tabs (12), the same time as the tabs (10), and whose extremities (13) are in "U" shape, with their respective free branches facing opposite directions, said ends (13) defining a longitudinal channel (14), cylindrical section, and showing its underside (13) developed in a slightly convex surface, while the vertical tabs (12) are equipped, close to central branch (8), their internal longitudinal projecoes (15), a focused on the other direction; the two side profiles (A3), with section "H" shaped substantially down, being that the edges of external lateral branches (16), who are facing out of the will are orthogonally fletidas one in the other direction, a short snippet (16), while the central branch (17), next to one of the side branches (16), projecting into the go a couple of tabs (18) = 35 ':: I2 1Igeiramente a steep in the other direction, and the end s 1 cuj ivre's al heard itquite with internal edges of side branches (16), (18) tabs being spoken equipped, close to central branch (17), their internal longitudinal projecoes (19), directed a in the other direction. 2A) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for FRAME STRUCTURE of RUNNING", in accordance with the claim 1, maroo of Windows and sliding doors of three plans being consists of a bottom section (Bl), a higher profile (B2) and two side profiles (B3) and (B4), characterized by the fact that the bottom section (Bl) present their lower stretch with section "U" shaped inverted, substantially below regarding the width, with its central branch (20) developed into a surface slightly tilted down, vertical branch (21), internal in relation to window or door, to the vertical branch (22), external, said ramos (21) and (22) being equipped with short ends (21) and (22 ') fletidas one in the other direction at right angles, and the highest of RIM referred to Central Branch (20), and slightly shifted in relation to the vertical inner branch (21), ee up a vertical tab (23), with approximately twice the height of that branch (21), while the central branch 120), protrude up three other vertical tabs (24), whose height exceeds slightly half the height of the tab (23), and whose ends (25) are "U" shaped inverted, two of them towards the same side, and the third focused on the opposite side; said ends (25) delimiting a longitudinal channel (26), cylindrical section, and showing its upper surface (25 ') developed in a slightly convex surface; son-35 ** _ Hi s:: • *. 1.! (b) 4 the upper profile (B2) presents his top oom snippet section in "U" shape, substantially below regarding the width, and the central branch (27) presents the profile developed horizontally, and its branches (5 vertical 28j are provided with short extremities (28 ') orthogonally flatidas a in direction and another, while the edges free of the central branch (27),. Protrude down two vertical tabs (29), with roughly twice the height of the vertical branches 10 (28), and developed in a short snippet (30) aligned with these last, followed by another stretch (30 ") slightly shifted into in relation to meemos, and the central branch (27), 15 projects down three other vertical tabs (31), the same time as the tabs (29), and whose extremities (32) are in "U" shape, two of them towards the same side, and the third focused on the opposite side, said ends (32) 20 delimiting a longitudinal channel (33), of cylindrical section, and showing its underside (32 ") developed in a slightly convex surface, and the vertical tabs (31) are still provided with close to central branch (27), their internal longitudinal projecoes 25 (34), two of them pointing in direction the third; one of the side profiles (B3) is section "H" shaped substantially down, being that the edges of external lateral branches (35), that are tuned out of the.30 l vao, fletidas one in the other direction orthogonally, a short snippet (35), enquanfco that the central branch (36), protrude into the vao, and next to the lateral branches (35), two pairs of wings (37) at a slight angle a in the other direction, and whose 35 6 10 15 20 25 30 free ends line up with the internal ends of the lateral branches (35), said wings (37) being equipped, close to central branch (36), their internal longitudinal projecoes (38), directed a in the other direction; the other side profile (B4), with section "H" shaped substantially down, being that the edges of external lateral branches (39), which are directed out of the will, are fletidas one in the other direction orthogonally, a short treoho (39), while the median region central branch (40), projecting into the go a couple of tabs (41) at a slight angle a in the other direction, and whose free ends line up with the internal ends of the lateral branches (39), said (41) tabs being equipped, close to central branch (40), from their projecoes internal longitudinal (42) turned one in the other direction. 3A) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claims 1 and 2 as a variation for the constructive side profiles that make up the marks of frames, which are the profiles (A3) of the Windows and doors of two plans, and profiles (B3) and (B4) of the Windows and doors of three plans, which provides a profile (C) who receives the one or two other **fixation** profiles (C), called "matajunta", characterized by the fact that the profile (C) get introduced with section in the form of a "h" substantially below regarding the "wide, and the central branch (43) of the profile features totally flat, while the external ends of the larger side branches (44) and (45) they turned out of the will, are fletidas one in the other direction orthogonally, a short stretch 35 (44) and (45); the profile (C), with section basically in cie form an "L", whose longest branch (46) presents, in both its ends, a and short projecao (47), one of them constituting own shorter branch Extender (48) of the referred to "L", being still a third projecao (49), identical with the previous, and prepared well to the nearest shorter (48) While that of the longest branch (46), projected in opposite direction of projecoes (47) and (49), a pair of wings (50) 1 inadas inc a slightly in the other direction, and or j.g.it the free ends line up with the free end of the shorter

branch (48), said wings (50) being equipped, near the longest branch (46), their internal longitudinal projecoes (51) facing a in the other direction. 43) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 1, marco hinged Windows being consists of a bottom section (Dl), a higher profile (D2), two side profiles (C), two matajuntas (c '), and two perfie-stop (and), characterized by the fact that the bottom section (Dl), present your section with section "U" shaped inverted, substantially down in re lacao the width, with its central branch (52) developed into a surface slightly tilted down, vertical branch (53), internal in relation to the window, to the vertical branch (64), external and internal vertical branch (53), longer, has developed in a short treoho (55), followed by another (55 ') slightly moved out, said branch (53) showing its free end (53 ') orthogonally in direction to 5 10 15 20 25 30 bent branch external i54), shorter, while the upper and lower ends of the external branch (54), project. Small tabs in the form of "L" (56), that delimit the formation of a longitudinal oanaleta (57), of quadrangular section, so an excerpt (58) also in the form of "L", which limits the formation of a longitudinal channel (59), cylindrical section, and finally an excerpt (60) in "U" shape, which delimits the formation of a longitudinal channel (61), of quadrangular section and the edge of the central branch (52), projected to top a vertical tab (62), with approximately twice the height of the branch (53), while the median of that region central branch (52), protrude up two other vertical tabs (63), whose height exceeds slightly half the height of the tab (62), and whose extremities (64) are "U" shaped inverted with their respective free branches facing opposite directions, said ends (64) delimiting a longitudinal channel (65), cylindrical section, and showing its upper face (64 ') developed in a slightly convex surface; the upper profile (D2), presents his top with stretch section in "U" shape, substantially below regarding the width, and the central branch (66) of said profile features developed horizontally, and its vertical branch (67), longer, and with short end (' 67) ¦ bent at right angles in direction to vertical outer branch. (68), shorter, while the upper and lower ends of the external branch (68), project their small tabs in the form of "L" (69), that delimit the formation of a longitudinal oanaleta (70), section 35, followed by then an excerpt (71) also in the form of "L", which limits the formation of a longitudinal channel (72), cylindrical section, and finally an excerpt (73) in an inverted "U" shape that delimits the formation of a longitudinal channel (74), of quadrangular section, in which the edges of the central branch (66), protrude down two vertical tabs (75). with approximately twice the height of the vertical inner branch (67), while the median of that region central branch (66), protrude down two other vertical tabs (76), the same time as the tabs (75), and whose ends (77) are in "U" shape, with their respective free branches facing opposite directions, said ends (77) delimiting a longitudinal channel (78), of cylindrical section, and showing its underside (77 ') developed in a slightly convex surface, said vertical tabs (76) being equipped with close to central branch (66), their internal longitudinal projecoes (79), a focused in the other direction; -profile stop (and) presents with section in the form of a stylized "H", whose central branch (80) presents the median axis offset of peca, prepared closer to one end of the lateral branches (81), these last showing their butts (81 ') fletidas one in the other direction at right angles, and of one of the branches (81), projected an excerpt (82), with section on "L", and with a height approximately equal to the height of these branches (81). 5s) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 1, the leaves of the sliding Windows and can perform the 90 degrees or 45 *, and in both cases, and may receive or Venetian glass, and the frame of the leaves of the sliding Windows to 90 degrees, they receive glass, and consists of two sleepers (F) the top and bottom, one side amount (G), an amount which may be external (H) or internal (ET), and four baguette (I), that hold the glass, and Additionally, in the case of Windows of two planes with four leaves, one of the Central leaves showing, in replacement of the amounts (H) or (H '), a specific central amount (H), payactepizada by the fact the sleepers (F), submit section in "U" shape, whose horizontal branch (83) develops in a short snippet protruding (83 '), followed by other (83) longer, reentrants, the latter being endowed with projecoes (84) turned one in the other direction, as well as on the other side, projecoes (85) that delimit the formation of a longitudinal channel (86), cylindrical section, and one of the vertical branches (87) of the "U" and gifted, next to its free end, an internal projecao (88), while the other branch (89) and endowed with its free end, two projecoes (90) turned a in the other direction, and marking the formation of a longitudinal channel (91), of quadrangular section, said branch (89) extending a short snippet vertical (89 '); the amount (G), features section, with one of its branches (92) developed into a short snippet protruding (' 92), followed by other (92 '') longer, reentrants, the latter being endowed with projecoes (93) turned one in the other direction, one doe branches (94) adjacent to the branch (92), extends out in relation to the branch (95) opposite the said branch (92) in an excerpt (94 ') with arched end inside, which and endowed with internal projecao (96) prepared right next to 10 branch (95), while the other branch (97) adjacent to the branch (92) extends out in relation to the branches (92) and (95), in their excerpts (97 ') and (' 97), the words (' 97), with arched end inside, being equipped with two internal projecoes (98), marking the formation of a longitudinal channel (99), of quadrangular section; the amount foreign central (H) features section, with one of its branches (100) with projecoes (101) turned a in the other direction, and one of them, stretches out a flap (102) with section in "L", with external projecoes (103) that delimit the formation of a channel (104), of quadrangular section, aba this gifted yet projecao inclined (105) While the branch (106) opposite the branch (100) develops in a short snippet (106 '), followed by other (106) longer, reentrants, the latter being endowed with projecoes (107) turned a in the other direction, one of the branches (108) adjacent to branches (100) and (106), extending out in relation to the latter, in a stretch (108 '); the amount of internal central (H '), features section, with one of its branches (109) developed into a short snippet (109 '), followed by another " (109) longer, reentrants, the latter being endowed with projecoes (110) oriented one in the other direction, while the branch (111) opposite to that branch (109), and with projecoes (112), also aimed a in the other direction, one of them equipped with external extension (112 '), one of the branches (113) opposite the branches (109) and (111), extending out in relation to the first, a stretch (113 '), and being equipped with a external tab (114), in "L"; the amount central (H), square section, with one of its branches: 5 10 15 20 25 30 11.: • M • and II MM (115) developed into a short snippet (115 '), followed by other (116 '') longer, reentrants, the latter being endowed with projecoes (116) aimed a in the other direction, while the branch (117) opposite to that branch (115) and with projecoes (116), also aimed a in the other direction, one of them equipped with orthogonal extension (118 '), and the other has L-shaped extension (118 ''), whose longest branch and equipped with two internal projecoes (119), directed a in direction to another, and "marking the formation of a longitudinal oanaleta (120), of quadrangular section, one of the branches (121) adjacent to branches (115) and (117) extending out in relation to the first, a stretch (121 '); the baguette (I) feature section "U"-shaped stylized, with one of its side branches (122) plan, and with the other side branch (123) developed in two sections obliquadoa out, being that the free end (122 ') in the business (122) presents with section in "C" stylized, while the free end (123 ') of the branch (123) presents with section in stylized "M". 6a) "CONSTRUCTIVE DISPOSITION BM elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 5, the picture of the leaves of the sliding Windows to 90 *, receiving Venetians, being composed of two sleepers (F), the top and bottom, side (J) and (K), and Additionally, in the case of doist Windows plans with four leaves, one of the Central leaves showing, in replacement to the central (K), a central especified amount (K), 35 characterized by the fact that the amount. (J) submit section foursquare, with two opposing branches (124) extending out in relation to the other 12 • • • • • • • •-• ' • • (i) the two branches (125), in their excerpts (124) and (124), these last with arched end inside, and a (124) and with internal projecao (126), prepared right next to the branch (125), while the other section (124) and with two internal projecoes (127) turned a in the other direction, and marking the formation of a longitudinal oanaleta-(128), of quadrangular section; the amount (K) features section, with one of its branches (129), with projecoes (130) turned a in the other direction, and one of them, stretches out a flap (131) with section in ¦ MLM, with external projecoes (132) that delimit the formation of a oanaleta (133), of quadrangular section, aba this gifted yet projecao inclined (134) While the two branches (135) adjacent to the branch (129) extend out in relation to the branch (129 '), in their excerpts (135 '); the amount (K) features section, with one of its branches (136) with projecoes (137), a focused in the other direction, one of them equipped with orthogonal extension (137 '), and the other with extension "L" (137), whose longest branch the endowed with two internal projecoes (138), directed a in the other direction, and that delimit the formation of a longitudinal oanaleta (139), of quadrangular section, being that the two branches (140) adjacent to the branch (136) extend out in relation to the branch (136 '), in their excerpts (140 '). 1 7A) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for FRAME STRUCTURE of CORRER1 *, according to claim 5, the picture of the leaves of the sliding Windows to 45 degrees, which receive glass, being constituted by two crosspieces (L), the upper and lower 7300925 10 15 20 25 30 35 13-, lateral (M), an amount which may be external (N) or (N *), and four baguette (I), caraoteriawda by the fact the sleepers (L) submit section in "U" shape, cud central branch (141) develops in a short snippet (141 *), followed by other (141 **) longer, reentrants, this. Ultimate being endowed with projecoes.(142) turned a in the other direction, being one of the lateral branches (143) of the "U" with internal projecao median (144) and, next to its free end, arched built-in projecao (145), while the other side branch (146) and endowed with an inner projecao (147), aligned with the excerpt (141) in the business (141), a median internal projecao (148) and, next to its free end, two projecoes (149), directed a in the other direction, and marking the formation of a longitudinal channel (150), of quadrangular section, said branch (146) extending out in relation to the branch (141), a short snippet (146 '); the upstream side (M) features section, with one of its branches (151) developed into a short snippet (151 *), followed by other (151) longer, reentrants, the latter being endowed with projecoes (152) turned a in the other direction, one doe branches (153) adjacent to the branch (151) and endowed with internal

median projecao (154) and stretches out in relation to the branch (155) opposite the branch (151) in an excerpt (153 *) with arched edge, this snippet provided with internal projecao (156), prepared right next to that branch (155), while the other branch (157) adjacent to the branch (151), also equipped with median projecao (154) and also stretches out in relation to the branch (155), in a stretch (157 *) with 14 1 Internal projecao (158) prepared right next to that branch (155), and two other Internal projecoes (169), that delimit the formation of a longitudinal oanaleta (160), of quadrangular section, said branch (157) extending out also in relation to the branch (151), a short snippet (157 ''); the amount. external (N) Central features section with a foursquare-of their branches (161) developed in short snippet (161 '), followed by other (161) longer, reentrants, the latter being endowed with projecoes (162) in the other direction a focused, while the branch (163) opposite the branch (161) and with projecoes (164) also turned a in the other direction, one of which stretches out a flap (165) with section in "L" fitted with external projecoes (166) that delimit the formation of a oanaleta (167), of quadrangular section, aba this gifted yet projecao inclined (168), and the branches (169) adjacent to branches (161) and (163) are equipped with internal median projecao (170), one of them being still endowed with internal projecao (171), aligned to the entry (161) of the branch (161) as well as overtime (169 '), in relation to the branch (161); the internal central amount (N) features section, with one of its branches (172) developed into a short snippet (172 '), followed by other (172 '') longer, reentrant, the latter being endowed with projecoes (173) turned a in the other direction, while the branch (174) opposite the branch (172), and with projecoes (175) also turned a in the other direction, one of them equipped with external extension (175 '), both of which the branches (176) adjacent to branches (172) and (174) are equipped with internal median projecao (177), one of them 5 10 15 20 25 30 15 • • i •/1101 # extending out in relation to the branch (172), a vertical stretch (176 '), and being equipped with a external tab (178), in "L". 8A) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 5, the picture of the leaves of the sliding Windows the 45 ", receiving Venetians, being composed of two platters (the), the top and bottom,-an amount (P) and (Q), characterized by the fact of the sleepers (0) submit section in" U "shape, vertical (179) whose branches extend out in relation to the horizontal branch (180), in short vertical snippets (179 '), said ramos being equipped with median projecao (181), and one of these vertical branches (179) and gifted, next to its free end, arched built-in projecao (182), while the other branch and gifted, too, along with its free end two projecoes (183) turned a in the other direction, and marking the formation of a longitudinal channel (184), of quadrangular section; the amount (P) features section, with two opposing branches (185) extending out in relation to the other two branches (186), in their excerpts (165 ') and (' 185 '), said ramos (185) being fitted with internal projecao median (187), and a (186 '') of the profile features arched edge, and gifted, next to the branch (186), internal projecao (188), while the other section (185) and with the same Internal projecao (188), followed by two projecoes (189) turned a in the other direction, and that delimit a longitudinal channel (190), of quadrangular section; the amount central (Q), features section, with two opposing branches 36 5 10 15 20 25 30 35 7300928 16 riu7300926 (191) extending out in relation to the branch (192) adjoining their snippets (191), said ramos (191) being fitted with internal projecao median (193), and the branch (194) opposite the branch (192) and with projecoes (195) turned a in the other direction, one of which stretches out a flap (196) with section in "L", with external projecoes (197) that delimit the formation of a channel (198), of quadrangular section, aba this gifted yet projecao inclined (199). 95) "CONSTRUCTIVE Disposition in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 5, the framework of articulated leaves being composed of two sleepers (F), the top and bottom, and by two vertical mullions (R), one of the leaves has one of her uprights, more specifically its central upright, replaced by another (S) characterized by the fact that the upright (R) present quadrangular section, with one of its branches (200) with projecoes (201) turned a in the other direction, while the two arms (202) adjacent to the branch (200) extend out in relation to the branch (203), in their excerpts (202 '); the central upright (S), features section, oom one of their branches (204) with projecoes (205) turned a in the other direction, and one of them, stretches out a flap (206), with section in "L", while the two arms (207) adjacent to the branch (204) extend out in relation to the branch (208), in their excerpts (204). 105) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", in accordance with the claims 1 and 6, the leaves of the 5 10 15 20 26 30 sliding doors and can also present the 90 degrees or 45 *, and, in both cases, the picture of the leaves and consists of a platter lower (T), an intermediate platter (U), a platter (F), (G), and for the external sheet, central (H), and to the inner leaf, backup central (V), and baguette (I), characterized by the fact that the lower crossbar (T) present section "U" shaped inverted, substantially high in relation to width, medium contraventado for horizontal branch (208), and inferiorly with projecoes (209) that delimit the formation of a longitudinal channel (210), of cylindrical section, the upper horizontal branch (211) develops in a short snippet (211), followed by other (211) longer, reentrants, the latter being endowed with superior projecoes (212) turned a in the other direction, as well as projecoes (213) that delimit the formation of a longitudinal channel (214), cylindrical section, while one of the vertical branches (215) of the "U" and gifted, next to its free end, an internal projecao (216), and the other branch (217) 6 gifted, along with its free end, two projecoes (218) turned a in the other direction, and marking the formation of a longitudinal channel (219), of quadrangular section, said branch (217) extending upwards, a short snippet (217); the intermediate platter (U), features section, with the is opposite branches (220) developed in a short snippet (220 '), followed by other (220 ' "), longer, reentrants, the latter being endowed with projecoes (221) aimed a in the other direction, as well as 35 18 Internal projecoes (222) that delimit the formation of a longitudinal channel (223), cylindrical section one donates two other opposing branches (224) extends out in relation to the branches (220), in short excerpts (224 *); the backup center amount (V), and formed by two tubular profiles section basically foursquare, intertwined. by a vertical branch (225), one of the branches (226) the smaller profile, adjacent to the branch (225), developed in a short snippet protruding (226 *), followed by other (226 **) longer, reentrants, the latter equipped with projecoes (227) turned a in the other direction, while the other branch (228) adjacent to the branch (225) and also equipped with projecoes (229), also aimed a in the other direction, and the branch (230) of the higher profile, opposite the branch (225), developed in a salient excerpt (230 *). longer, followed by another (230) shorter, reentrants, being provided for a tab (231), prolongation of the said excerpt (230 *). LLA) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 1, and constituting one of the accessories now, which innovated provides a set-door pulley, which can present itself in two versions (W) and (W *), characterized by the fact that, in the first version, said pulley holder set (W) be constituted by peca basically paralelepipedal (232), with inverted "U" section with the lower fietidas edges inside, said Sin being provided, along with one of its edges, a square cutout distal (233) and, next to its border opposite distai, dc a top hole (234), and, in the interior of that... Sin (232), 5 10 15 20 26 30 ' fits another (235), basically paraislepipedal too, with inverted "U" section with the lower edges facing out, which remains supported on the inside edges of the peca (232), said peca (235) being also provided foursquare clipping (236) and upper hole (237), coincident with those of peca (232), with a screw (23B) passes through these holes (237) and (234), from bottom to top, while, in the space formed between the side walls (235) from sin (235) coincidentally with the cutouts (233) and (236), and willing pulley (239), transfixed by shaft (24) formed by a central passage (240 '), from which protrudes on one side, a PIN (240) willing eccentrically concerning the said excerpt, and liable to fit into the corresponding hole (241) laid down in one of the side walls (236 ') of sin (235), and the other, a square plate (240) coincident with corresponding window (242) provided for the other side wall (235 '); said hole (241) and window (242) are aligned, delimiting each other, a midline longitudinal, in relation to which the excerpt (240 ') central and ixo (240) can be above, below, or matching three positions to the pulley. 129.0) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for FRAME STRUCTURE of RUN," according to the claim 11, characterized by the fact that, in the second version, the roller holder Assembly (W ') be constituted by peca basically paralelepipedal (243), with inverted "U" section, with the lower edges fie taken inside and out, said peca (243) being averagely provided foursquare clipping (244) and, next to its distal edges 1 35 20, upper hole (245), wounded by screw (246), roscavel from bottom to top, and inside the sin (243), and attached to another (247) basically paralelepipedal, 5 "U"-shaped bed, whose lower edges are supported on the inside edges of the peca (243), among whose side branches (247 ') lodges pulley (248) coinciding with the median clipping (244) of sin (243), and crossed by a horizontal axis 10 (249), whose distal ends, after corresponding transpassarem clippings (250) set out in these lateral branches (247 '), lodged in their tears inclined (251) provided for the side walls (243) from peca 15 foreign (243); central branch (247) of sin (247), and provided for (252), wounded by horizontal screw (253) whose free end threads in the hole (254) of square plate vertical (255), this plate which features their edges embedded in corresponding sides 20 vertical slots (256) provided for the side walls (243 ') of sin (243). 13A) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", 25 according to claim 1, and other accessory now innovated, which provides a guide to finishing of the leaves, which can present two versions (X) and (X '), characterized by the fact that, in the first version, the Guide (X) be formed by peca laminar 30 rectangular (257) fitted with vertical side tabs (257), said peca (257) being gifted, in one of his distal extremities, ' U-shaped cutout (258), and medially, to rebound foursquare front (259), with which it coincides a recess 35 later (260) also required by this directive, this recess in the 5 10 15 20 25 30 7300926 21» «ftftft which fits corresponding rectangular pIaqueta (261), backup to Sin; both the Ridge (259) as the platelet (261) are provided with matching holes (262), screw transpassados (263). 14A) "CONSTRUCTIVE DISPOSITION in elements and ACCESSORIES for SLIDING MITER STRUCTURE", according to claim 13,

characterized by the fact that, in the second version, the Guide (X ') be formed by peca rectangular laminar (264), equipped with vertical side tabs (264), and, in one of his distal extremities, (265) basically foursquare, where ee fits the corresponding Ridge (266) of rectangular plate (266) properly fixed on the rear face of the peca (264), rebound (268 ') being provided with cutout (267) in "U" shape» said peca (264) being equipped with median aperture (268), wounded by screw (269). 15A) "CONSTRUCTIVE DISPOSITION in elements. And accessories for SLIDING MITER STRUCTURE ", according to claim 1 and constituting a teroeiro accessory now innovated, which provides a contra-fecho (Y) to the lingueeta (1) the usual shell (the) of sliding, characterized by the fact that the said contra-fecho (Y) be const ituido for peca rectangular laminar (270), equipped with vertical side tabs (270 ') and frontal projecao (271) in the form of" L " support for the lingueeta (1) of the said concha (c) from the leaves, and below the projecao (271), sin (270) and provided with hole (272) wounded by screw (273).

Classifications:
International (IPC 8-9): E05D15/06 (Advanced/Invention); E05D15/06 (Core/Invention)
International (IPC 1-7): E05D15/06



Family:

Publication number	Publication date	Application number	Application date
BRMU7300926 U	19941213	BR1993MU00926U	19930527

Priority:
BR1993MU00926U 19930527

Probable Assignee:	ALCAN ALUMINIO DO BRASIL
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Assignee(s):	ALCAN ALUMINIO DO BRASIL S A
Inventor(s): (std):	CARDOSO ANTONIO BENEDITO

Legal status (INPADOC)

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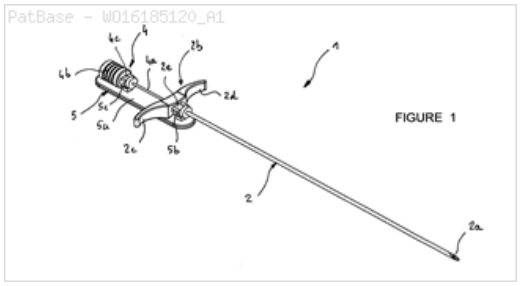
Patent	Date recorded	Event group	Code	Event	Details
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BRMU7300926 U	19951219	LSES	+EE	REQUEST FOR EXAMINATION	
BRMU7300926 U	19970909	LSAS	PC	TRANSFER	TEXT : ALCOA ALUMINIO S/A (BR/MG)
BRMU7300926 U	19980505	LSES	-EG	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRMU7300926 U	19990831	LSRV	-FC	DECISION: REFUSAL	
BRMU7300926 U	20000111	LSAL	CKFC	APPEAL: APPEAL AGAINST REFUSAL	

52) Family number: 64061455 (WO16185120A1)

Title: SURGICAL NEEDLE-HOLDER

Abstract: The invention relates to a surgical needle-holder (1) which comprises a cylindrical cannula (2) in which a surgical needle (3) is held along a longitudinal axis yy' and in a substantially elongate position, said cannula (2) comprising a first end having a sharp profile (2a) making it possible to pass through tissue and penetrate same at the operating site, and a second end opposite the first, rigidly connected to a gripping handle (2b), a needle pusher (4) inserted into the cylindrical cannula (2) and retaining means (5) making it possible to hold the needle pusher (4) temporarily in a determined position relative to said cylindrical cannula (2).

Classifications:
International (IPC 8-9): A61B17/04 A61B17/06 A61B17/062 A61B17/34 (Advanced/Invention)
CPC: A61B17/062 A61B17/0482 A61B2017/06052 A61B2017/06095



Family:

Publication number	Publication date	Application number	Application date
FR3036277 A1	20161125	FR20150054419	20150518
WO16185120 A1	20161124	WO2016FR51139	20160513

Priority:
FR20150054419 20150518

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Inventor(s): THIERRY LOUBENS
Agent(s): ROOSEVELT CONSULTANTS; COLBERT INNOVATION
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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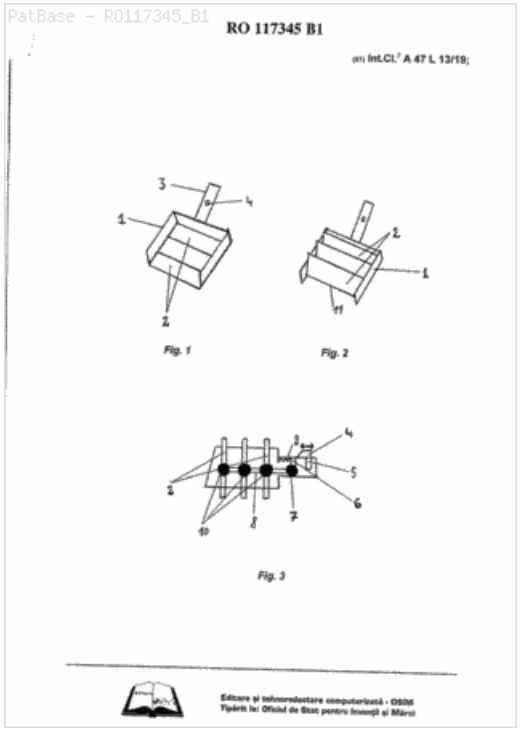
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FR3036277 A1	20160531	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 2
FR3036277 A1	20161125	LSES	PLSC	SEARCH REPORT READY	EFFECTIVE DATE : 20161125
FR3036277 A1	20170522	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 3
FR3036277 A1	20180531	LSLE	-ST	NOTIFICATION OF LAPSE	
WO16185120 A1	20161124	LSPB	+	published / reissued	
WO16185120 A1	20171121	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16185120 A1	20180606	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 16729607 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

53) Family number: 31561465 (RO117345B)

Title: DUST PAN GARBAGE COLLECTION

Abstract: The invention relates to a dust pan for garbage collection, where the collecting base comprises three tiltable lamellae (2) each of them fastened to a rod (11) having its ends articulated to a frame (1), the rods being in connection with some gear wheels (10) entrained by a chain (8) by a bull-wheel (7) that receives the movement through two catch pins (5 and 6) from a push button (4) situated on the dust pan **handle**.

Classifications:
International (IPC 8-9): A47L13/19 (Advanced/Invention); A47L13/16 (Core/Invention)
International (IPC 1-7): A47L13/19



Family:

Publication number	Publication date	Application number	Application date
RO117345 B1	20020228	RO19950001573	19950907

Priority:
RO19950001573 19950907

Probable Assignee: BABI LAURENTIU
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Assignee(s): BABI LAURENTIU CONSTANTA
Inventor(s): (std): BABI LAURENTIU

Legal status (INPADOC)

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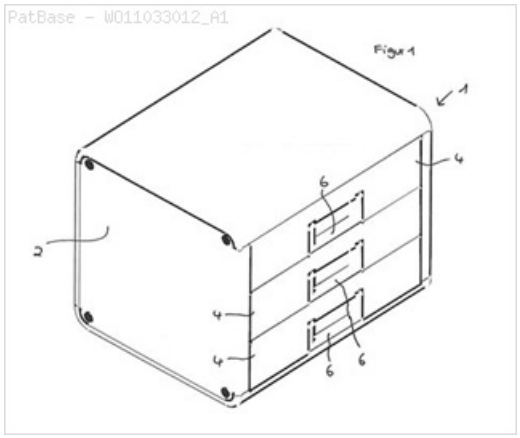
Patent	Date recorded	Event group	Code	Event	Details
RO117345 B1	20020228	LSGT	+	granted / extensions (spc, cpc, pte)	
RO117345 B1	20150907	PEXP		Calculated Patent Term Expiry	

54) Family number: 48248468 (WO11033012A1) © PatBase

Title: CONTAINER FOR STORING OBJECTS

Abstract: The present invention relates to a container (1) for storing objects, comprising at least one drawer (4) for receiving the items or a portion thereof, a base body (2) for receiving the at least one drawer (4), and guide means in order to guide the drawer (4) for inserting into the base body (2) and/or for removing from the base body (2), the at least one drawer (4) comprising a cover for closing the drawer (4) and an adjustable retaining means is provided for selectively retaining the cover, such that the cover remains in the main body (2) when the drawer (4) is pulled out from the main body (2), depending on the setting of the retaining means, so that the drawer (4) opens, or remains on the drawer (4) and keeps the same closed in the pulled-out state.

Classifications:
International (IPC 8-9): B25H3/00 B25H3/02 (Advanced/Invention)
CPC: B25H3/028 A47B67/04 A47B95/02
European: A47B67/04 A47B95/02 B25H3/02B2E



Family:

Publication number	Publication date	Application number	Application date
DE202009012602 U1	20110127	DE200920012602U	20090916
DE502010003908 D1	20130829	DE201050003908T	20100916
EP2477791 A1	20120725	EP20100754331	20100916
EP2477791 B1	20130703	EP20100754331	20100916
WO11033012 A1	20110324	WO2010EP63597	20100916

Priority:
DE200920012602U 20090916 EP20100754331 20100916 WO2010EP63597 20100916

Probable Assignee: KWB TOOLS GMBH

Assignee(s): (std): BOETTCHER TORSTEN ; BRAND GERRIT ; KWB KARL W BURMEISTER GMBH AND CO KG ; KWB TOOLS GMBH ; KWB TOOLS GMBH AND CO KG

Inventor(s): (std): BRAND GERRIT ; BOETTCHER TORSTEN

Agent(s): EISENFUEHR SPEISER PATENTANWAELTE RECHTSANWAELTE PARTGMBB; SCHOELING INGO; EISENFUEHR SPEISER AND PARTNER; EISENFUEHR SPEISER AND PARTNER ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202009012602 U1	20110127	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202009012602 U1	20110303	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20110303
DE202009012602 U1	20121204	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202009012602 U1	20121227	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : KWB TOOLS GMBH, DE OLDPARTY : FORMER OWNER: KWB KARL W. BURMEISTER GMBH & CO. KG, 28816 STUHR, DE EFFECTIVE DATE : 20121107
DE202009012602 U1	20130124	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20121204

DE202009012602 U1	20151003	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	
DE202009012602 U1	20170928	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	
DE202009012602 U1	20190916	PEXP		Calculated Patent Term Expiry	
DE502010003908 D1	20190402	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2477791 A1	20120725	LSPB	+	published / reissued	
EP2477791 A1	20120725	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120416
EP2477791 A1	20121226	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : KWB TOOLS GMBH
EP2477791 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 A1	20151130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20150921 YEAR OF FEE PAYMENT : 6
EP2477791 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160922 YEAR OF FEE PAYMENT : 7
EP2477791 B1	20130703	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2477791 B1	20130703	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2477791 B1	20130715	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2477791 B1	20130715	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 619437 COUNTRY OF REF DOCUMENT :

					AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130715
EP2477791 B1	20130731	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2477791 B1	20130829	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010003908 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130829
EP2477791 B1	20130925	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2477791 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20131031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20130927 YEAR OF FEE PAYMENT : 4
EP2477791 B1	20131227	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2477791 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131103
EP2477791 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131003
EP2477791 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131104

EP2477791 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130904
EP2477791 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131004
EP2477791 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
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EP2477791 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131014
EP2477791 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
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				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20140327 YEAR OF FEE PAYMENT : 4
EP2477791 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20140328 YEAR OF FEE PAYMENT : 4
EP2477791 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20140611	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140404
EP2477791 B1	20140717	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010003908 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140404
EP2477791 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140930
EP2477791 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140916
EP2477791 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
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EP2477791 B1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE

				EPO]	FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
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EP2477791 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140916
EP2477791 B1	20150923	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2477791 B1	20160922	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2477791 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 7
EP2477791 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160921 YEAR OF FEE PAYMENT : 7
EP2477791 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160922 YEAR OF FEE PAYMENT : 7
EP2477791 B1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160922 YEAR OF FEE PAYMENT : 7
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				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	AT PAYMENT DATE : 20160921 YEAR OF FEE PAYMENT : 7
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EP2477791 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170921 YEAR OF FEE PAYMENT : 8
EP2477791 B1	20180430	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2477791 B1	20180502	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP2477791 B1	20180515	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 619437 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170916
EP2477791 B1	20180523	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20170916
EP2477791 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171001
EP2477791 B1	20180629	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20180531
EP2477791 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170930
EP2477791 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170916
EP2477791 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170930
EP2477791 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171002
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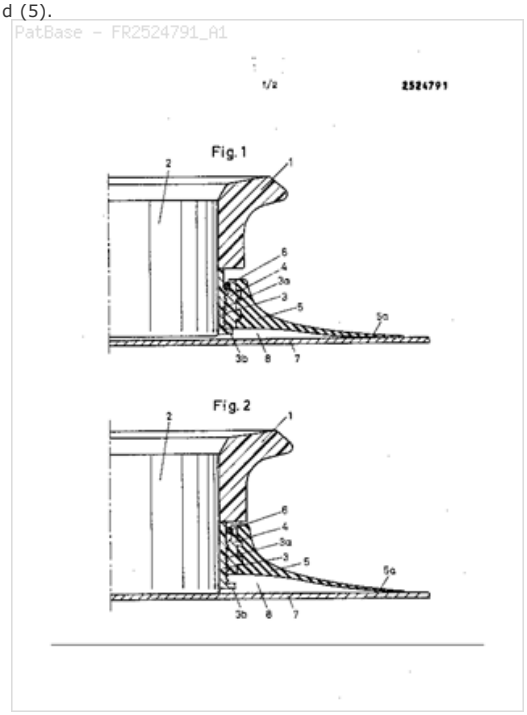
				NATIONAL OFFICE TO EPO]	LAPSED DATE : 20170916
EP2477791 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2477791 B1	20190402	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 502010003908 COUNTRY OF REF DOCUMENT : DE
EP2477791 B1	20300916	PEXP		Calculated Patent Term Expiry	
WO11033012 A1	20110324	LSPB	+	published / reissued	
WO11033012 A1	20120229	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010754331 COUNTRY OF REF DOCUMENT : EP
WO11033012 A1	20120316	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

55) Family number: 8167477 (FR2524791A)

Title: FRYING PAN **HANDLE** WITH INTEGRAL THERMOMETER - HAS SUCTION PAD WITH GUIDE RING MOUNTED ON THERMOMETER CASING

Abstract: The removable frying-pan **handle** incorporates a thermometer and suction pad for attachment. The casing of the thermometer (2) has a guide ring (3) which can be moved axially in relation to the suction pad (5), so that the thermometer(2) can be pressed against the upper surface of the lid (7). The guide ring (3) joined to the casing and handle (1) has a thread (3a) which engages with the thread of a ring (4) forming part of the suction pad (5).

Classifications:
International (IPC 8-9): A47J27/212 A47J45/10 G01K1/14 (Advanced/Invention);
A47J27/212 A47J45/00 G01K1/14 (Core/Invention)
International (IPC 1-7): A47J37/10 A47J45/10 G01K1/14
CPC: A47J27/212 A47J45/10 G01K1/146
European: A47J27/212 A47J45/10 G01K1/14C



Family:

Publication number	Publication date	Application number	Application date
FR2524791 A1	19831014	FR19820006337	19820413
FR2524791 B3	19850201	FR19820006337	19820413

Priority:
FR19820006337 19820413

Probable Assignee: AMC INT ALFA METALCRAFT CORP
Assignee(s): (std): AMC INT ALFA METALCRAFT CORP
Assignee(s): INT ALFA METALCRAFT CO ; INTERNATIONAL ALFA METALCRAFT CO
Inventor(s): (std): BECKE REINHARD VON DER
Inventor(s): REINHARD VON DER BECKE

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
FR2524791 A1	19831014	LSPB	+	published / reissued	
FR2524791 B3	19850201	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2524791 B3	19880413	PEXP		Calculated Patent Term Expiry	

56) Family number: 46531481 (EP2216204B1)

Title: ROOF LUGGAGE HOLDER FOR MOTOR VEHICLES GALERIE POUR VEHICULES AUTOMOBILES </TI

Abstract: The luggage holder has a crossbar (5) extending between longitudinal carriers (2). The crossbar has a profile bar (10) and support legs (11). Each support leg has a locking bar (22) for flexibly connecting the support leg to the carrier and a clamping device (20) including a clamping element (21) pressed against the profile bar. A drive element (30) is moved with respect to the clamping element and the locking bar and driven by hand for simultaneously transmitting drive movement to the clamping element and the locking bar.

Classifications:
International (IPC 8-9): B60R9/04 B60R9/045 (Advanced/Invention); B60R9/00 (Core/Invention)
CPC: B60R9/045
European: B60R9/045

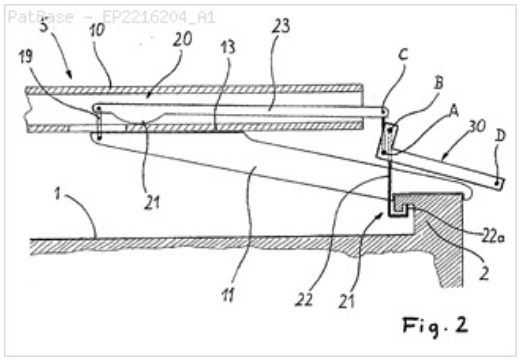


Fig. 2

Family:

Publication number	Publication date	Application number	Application date
DE102009007744 A1	20100812	DE200910007744	20090205
DE502010005259 D1	20140102	DE201050005259T	20100204
EP2216204 A1	20100811	EP20100152667	20100204
EP2216204 B1	20131106	EP20100152667	20100204

Priority:
DE200910007744 20090205 EP20100152667 20100204

Probable Assignee: JAC PRODUCTS DEUTSCHLAND GMBH
Assignee(s): (std): JAC PRODUCTS DEUTSCHLAND GMBH ; JAC PRODUCTS EUROP GMBH
Assignee(s): JAC PRODUCTS EUROPE GMBH
Inventor(s): (std): KOLODZIEJ KLAUS ; HOFFMANN DIRK ; ROTHSTEIN REINHOLD
Inventor(s): HOFFMANN DIRK 44627 ; ROTHSTEIN REINHOLD 42279 ; KOLODZIEJ KLAUS 42329
Agent(s): BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWAELTE; CHRISTOPHERSEN AND PARTNER
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE102009007744 A1	20100812	LSPB	+	published / reissued	
DE102009007744 A1	20100812	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102009007744 A1	20110714	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : JAC PRODUCTS EUROPE GMBH, DE OLDPARTY : FORMER OWNER: JAC PRODUCTS DEUTSCHLAND GMBH, 42285 WUPPERTAL, DE EFFECTIVE DATE : 20110512
DE102009007744 A1	20151031	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102009007744 A1	20160203	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : JAC PRODUCTS EUROPE GMBH, DE OLDPARTY : FORMER OWNER: JAC PRODUCTS EUROPE GMBH, 42285 WUPPERTAL, DE
DE502010005259 D1	20160203	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : JAC PRODUCTS EUROPE GMBH, 42285 WUPPERTAL, DE OLDPARTY : JAC PRODUCTS

					EUROPE GMBH, 42285 WUPPERTAL, DE
EP2216204 A1	20100811	LSPB	+	published / reissued	
EP2216204 A1	20110223	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20101224
EP2216204 A1	20130529	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B60R 9/045 20060101AFI20130425BHEP
EP2216204 A1	20130703	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20130604
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EP2216204 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
EP2216204 A1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
EP2216204 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160301 YEAR OF FEE PAYMENT : 7
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EP2216204 B1	20131215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 639224 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20131215
EP2216204 B1	20131218	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2216204 B1	20140102	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER :

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EP2216204 B1	20140312	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20131106
EP2216204 B1	20140425	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
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EP2216204 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
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EP2216204 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
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EP2216204 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
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EP2216204 B1	20140807	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010005259 COUNTRY OF REF DOCUMENT : DE
EP2216204 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
EP2216204 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
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EP2216204 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
EP2216204 B1	20140831	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : JAC PRODUCTS EUROPE G.M.B.H. EFFECTIVE DATE : 20140228
EP2216204 B1	20140930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

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EP2216204 B1	20140930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
EP2216204 B1	20140930	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2216204 B1	20141015	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140807
EP2216204 B1	20141029	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20140206
EP2216204 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140228
EP2216204 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140228
EP2216204 B1	20141113	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010005259 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140807
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EP2216204 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140204
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EP2216204 B1	20160222	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
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EP2216204 B1	20160415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 639224 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150204
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EP2216204 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140207
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EP2216204 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
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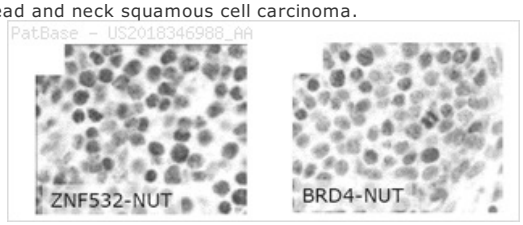
				NATIONAL OFFICE TO EPO]	DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20100204
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EP2216204 B1	20170220	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2216204 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170220 YEAR OF FEE PAYMENT : 8
EP2216204 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170301 YEAR OF FEE PAYMENT : 8
EP2216204 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170202 YEAR OF FEE PAYMENT : 8
EP2216204 B1	20180226	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2216204 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20180123 YEAR OF FEE PAYMENT : 9
EP2216204 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180321 YEAR OF FEE PAYMENT : 9
EP2216204 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180226 YEAR OF FEE PAYMENT : 9
EP2216204 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131106
EP2216204 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190313 YEAR OF FEE PAYMENT : 10
EP2216204 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20190123 YEAR OF FEE PAYMENT : 10
EP2216204 B1	20300204	PEXP		Calculated Patent Term Expiry	

57) Family number: 63934502 (US2018346988A)

Title: ZNF532 FOR DIAGNOSIS AND TREATMENT OF CANCER

Abstract: The present invention relates to the use of ZNF532 inhibitors for the treatment of cancer, in particular cancer with cells that express the ZNF532 protein or harbor the ZNF532-NUT fusion gene. In some embodiments, the cancer is selected from the group consisting of NUT midline carcinoma (NMC), Ewing sarcoma, and head and neck squamous cell carcinoma.

Classifications:
International (IPC 8-9): A61K31/55 A61K39/00 C12N15/11 C12Q1/68 C12Q1/6886 G01N33/53 (Advanced/Invention)
CPC: A61K31/713 C12Q2600/156 C12N15/113 C12N2310/11 C12N2310/13 C12N2310/14 C12N2320/30 C12Q1/6886 A61K31/55 C12Q2600/106 C12Q2600/158



Family:

Publication number	Publication date	Application number	Application date
US2018346988 AA	20181206	US20160571359	20160504
WO16179222 A1	20161110	WO2016US30674	20160504

Priority:
US20150156497P 20150504 US20160571359 20160504 WO2016US30674 20160504

Probable Assignee: BRIGHAM AND WOMENS HOSPITAL INC

Assignee(s): (std): BRIGHAM AND WOMEN S HOSPITAL INC ; BRIGHAM AND WOMENS HOSPITAL INC

Inventor(s): (std): WALSH ERICA M ; FRENCH CHRISTOPHER ALEXANDER ; KURODA MITZI I ; ALEKSEYENKO ARTYOM A ; WALSH MICHEL ERICA M

Agent(s): RESNICK DAVID S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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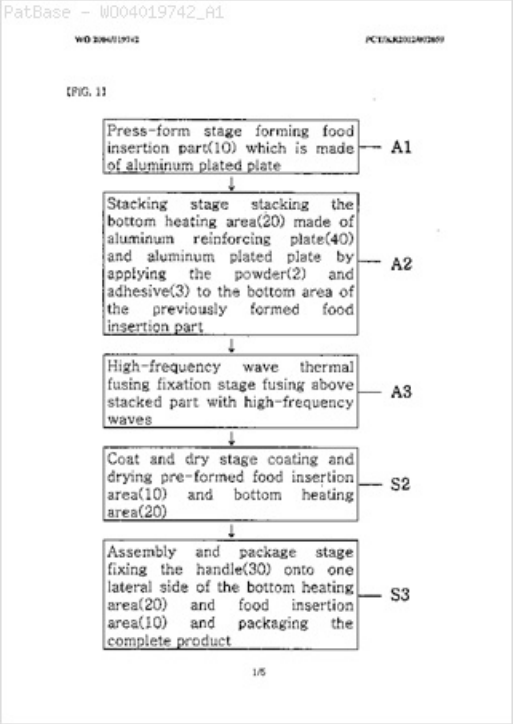
Patent	Date recorded	Event group	Code	Event	Details
US2018346988 AA	20181206	LSPB	+	published / reissued	
US2018346988 AA	20181003	LSES	NFA1	Non Final Action Mailed	
US2018346988 AA	20190512	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO16179222 A1	20161110	LSPB	+	published / reissued	
WO16179222 A1	20171107	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16179222 A1	20180530	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 16789973 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

58) Family number: 28960504 (WO04019742A1)

Title: THE METHOD FOR MANUFACTURING OF FRYING PAN USING STEEL SHEET COATED BY ALUMINUM

Abstract: This invention generally relates to the manufacturing method for frying pan and its' apparatus with use of aluminum coated steel plate. More particularly, the invention relates to foregoing method and apparatus optimizing thermal efficiency, reducing production and marketing cost and preventing warp of pan bottom from heating by high-frequency radio fusion of outer formed frying pan being made of aluminum coated steel plate with inserted aluminum reinforcing plate. In accordance with the invention, a differentiated manufacturing method for frying pan and its' apparatus using aluminum coated steel plate is provided including processes of press forming (A1), overlapping (A2) and high-frequency radio fusing (A3).

Classifications:
International (IPC 8-9): A47J27/00 A47J36/02 A47J37/10 (Advanced/Invention); A47J36/02 (Advanced/Non-invention); A47J27/00 A47J36/02 A47J37/10 (Core/Invention)
International (IPC 1-7): A47J36/02 A47J37/10
CPC: A47J27/002 A47J36/02
European: A47J27/00A A47J36/02



Family:

Publication number	Publication date	Application number	Application date
AU2002349483 AA	20040319	AU20020349483	20021105
JP2005537088 T2	20051208	JP20040532796T	20021105
KR100394832 B1	20030814	KR20020052401	20020902
KR20020072524 A	20020916	KR20020052401	20020902
KR200297782 Y1	20021211	KR20020026168U	20020902
WO04019742 A1	20040311	WO2002KR02059	20021105

Priority:
KR20020052401 20020902 WO2002KR02059 20021105

Probable Assignee: BAEK BONG KI
Assignee(s): (std): BAEK BONG KI
Assignee(s): WHITE UPRISING
Inventor(s): (std): BAEK BONG KI
Inventor(s): BONG KI BAEK
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2002349483 AA	20040319	LSPB	+	published / reissued	
AU2002349483 AA	20050519	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
JP2005537088 T2	20051208	LSPB	+	published / reissued	
KR100394832 B1	20030814	LSGT	+	granted / extensions (spc, cpc, pte)	

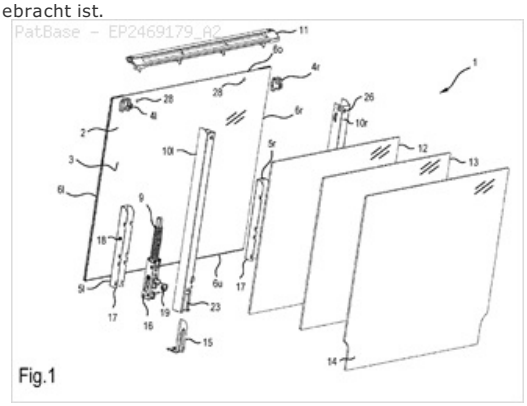
KR100394832 B1	20100622	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20100622 YEAR OF FEE PAYMENT : 8
KR100394832 B1	20110803	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR100394832 B1	20220902	PEXP		Calculated Patent Term Expiry	
KR20020072524 A	20020916	LSPB	+	published / reissued	
KR20020072524 A	20020902	LSES	A201	REQUEST FOR EXAMINATION	
KR20020072524 A	20030430	LSES	A302	REQUEST FOR ACCELERATED EXAMINATION	
KR20020072524 A	20030620	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20020072524 A	20030802	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR200297782 Y1	20021211	LSGT	+	granted / extensions (spc, cpc, pte)	
KR200297782 Y1	20120902	PEXP		Calculated Patent Term Expiry	
WO04019742 A1	20040311	LSPB	+	published / reissued	
WO04019742 A1	20040622	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004532796 COUNTRY OF REF DOCUMENT : JP
WO04019742 A1	20051026	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

59) Family number: 51340507 (EP2469179B1)

Title: HOUSEHOLD APPLIANCE DOOR PORTE D'APPAREIL MENAG

Abstract: Source: EP2469179A3 [DE] Die Haushaltsgeraetetuer (1) weist eine flaechige Frontabdeckung (2) auf, wobei die Frontabdeckung (2) an ihrer Rueckseite (3) linksseitig und rechtsseitig je ein senkrecht ausgerichtetes Tuerprofil (10) aufweist, wobei an der Rueckseite (3) der Frontabdeckung (2) linksseitig und rechtsseitig jeweils ein Satz aus einem oberen Befestigungselement und einem unteren Befestigungselement (4, 5l; 4r, 5r) angebracht ist, wobei an dem linksseitigen Satz (4l, 5l) und an dem rechtsseitigen Satz (4r, 5r) jeweils ein Tuerprofil (10) angebracht ist.

Classifications:
International (IPC 8-9): F24C15/04 (Advanced/Invention)
CPC: F24C15/04
European: F24C15/04



Family:

Publication number	Publication date	Application number	Application date
DE102010063936 A1	20120628	DE201010063936	20101222
DE502011010719 D1	20161103	DE201150010719T	20111216
EP2469179 A2	20120627	EP20110193926	20111216
EP2469179 A3	20140402	EP20110193926	20111216
EP2469179 B1	20160921	EP20110193926	20111216
PL2469179 T3	20170331	PL20110193926T	20111216
TR201618753 T4	20170123	TR20160018753T	20111216

Priority:

DE201010063936 20101222 EP20110193926 20111216

Probable Assignee: BSH HAUSGERAETE GMBH

Assignee(s): (std): BSH BOSCH SIEMENS HAUSGERAETE ; BSH HAUSGERAETE GMBH

Assignee(s): BSH BOSCH U SIEMENS HAUSGERAETE GMBH ; BSH BOSCH UND SIEMENS HAUSGERAETE GMBH

Inventor(s): (std): SICKERT KERSTIN ; DANKWARDT THOMAS ; ESSERT MICHAEL ; HINTERMAYER MANFRED

Inventor(s): MANFRED HINTERMAYER ; THOMAS DANKWARDT ; KERSTIN SICKERT ; MICHAEL ESSERT

Agent(s): CEMEN KARABAG

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102010063936 A1	20120628	LSPB	+	published / reissued	
DE102010063936 A1	20150521	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : BSH HAUSGERAETE GMBH, DE OLDPARTY : FORMER OWNER: BSH BOSCH UND SIEMENS HAUSGERAETE GMBH, 81739 MUENCHEN, DE EFFECTIVE DATE : 20150409
DE102010063936 A1	20171223	LSDW	-R005	APPLICATION DEEMED WITHDRAWN DUE TO FAILURE TO REQUEST EXAMINATION	
EP2469179 A2	20120627	LSPB	+	published / reissued	
EP2469179 A3	20140402	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F24C 15/04 20060101AFI20140224BHEP
EP2469179 A3	20141112	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141002
EP2469179 A3	20150325	LSAS	RAP1	RIGHTS OF AN	PARTYTYPE : OWNER

				APPLICATION TRANSFERRED	OWNER : BSH HAUSGERAETE GMBH
EP2469179 A3	20160601	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160506
EP2469179 B1	20160921	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2469179 B1	20160921	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2469179 B1	20160930	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2469179 B1	20161015	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 831365 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161015
EP2469179 B1	20161019	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2469179 B1	20161103	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502011010719 COUNTRY OF REF DOCUMENT : DE
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EP2469179 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
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EP2469179 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921

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EP2469179 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
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EP2469179 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161231 YEAR OF FEE PAYMENT : 6
EP2469179 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
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EP2469179 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161231
EP2469179 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170121

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EP2469179 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161221
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EP2469179 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20161206 YEAR OF FEE PAYMENT : 6
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EP2469179 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170113 YEAR OF FEE PAYMENT : 6
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EP2469179 B1	20170929	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
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					EFFECTIVE DATE : 20170831
EP2469179 B1	20171004	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
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EP2469179 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161231
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EP2469179 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161231
EP2469179 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161221
EP2469179 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161216
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EP2469179 B1	20180215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 831365 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161216
EP2469179 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20171218 YEAR OF FEE PAYMENT : 7
EP2469179 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20171211 YEAR OF FEE PAYMENT : 7
EP2469179 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20171231 YEAR OF FEE PAYMENT : 7

EP2469179 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20111216
EP2469179 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161216
EP2469179 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160921
EP2469179 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20181205 YEAR OF FEE PAYMENT : 8
EP2469179 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20181218 YEAR OF FEE PAYMENT : 8
EP2469179 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20181231 YEAR OF FEE PAYMENT : 8
EP2469179 B1	20311216	PEXP		Calculated Patent Term Expiry	
PL2469179 T3	20170331	LSGT	+	granted / extensions (spc, cpc, pte)	
TR201618753 T4	20170123	LSGT	+	granted / extensions (spc, cpc, pte)	

TR201618753 T4	20311216	PEXP	Calculated Patent Term Expiry

60) Family number: 59233509 (US2016274131A)

Title: COMPOSITIONS AND METHODS FOR DETECTING AND/OR TREATING INFLAMMATION

Abstract: The present disclosure relates to assays and methods for the detection of renal inflammation by measuring the level of P2Y14 and/or UDP-glucose in a sample from a subject, such as a urine sample. The present disclosure also relates to methods for the treatment of renal inflammation by administering a P2Y14 inhibitor.

Classifications:
International (IPC 8-9): A61K31/445 A61K31/451 A61K39/395 A61K45/00 A61P13/12 A61P29/00 A61P43/00 C07C57/62 C07K16/28 C12Q1/68 C7C57/62 G01N33/48 G01N33/50 G01N33/53 G01N33/536 G01N33/566 G01N33/66 G01N33/74 (Advanced/Invention); A61K39/00 (Advanced/Non-invention)
CPC: G01N33/74 A61K31/451 C07K16/28 C07K2317/76 C07K2317/20 A61K2039/505 G01N33/5308 G01N2333/726 G01N2800/347 G01N2800/52 G01N2800/7095 G01N33/566 G01N33/66
US: 435/7.21

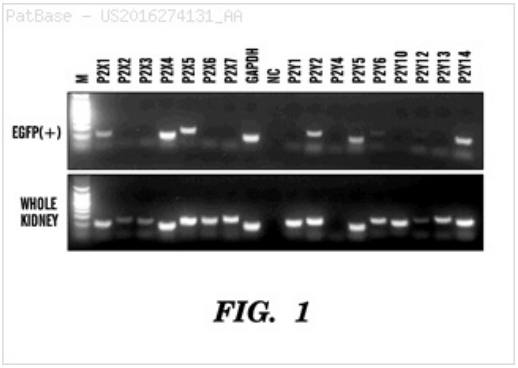


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU2014346641 AA	20160526	AU20140346641	20141107
AU2014346641 BB	20180927	AU20140346641	20141107
AU2018282457 AA	20190124	AU20180282457	20181221
CA2929974 AA	20160506	CA20142929974	20141107
EP3066472 A2	20160914	EP20140860799	20141107
EP3066472 A4	20170405	EP20140860799	20141107
JP2017505897 T2	20170223	JP20160528246T	20141107
US2016274131 AA	20160922	US20140035033	20141107
US2018136237 AA	20180517	US20180860937	20180103
US2018217167 AA	20180802	US20180928625	20180322
US9891236 BB	20180213	US20140035033	20141107
US10088489 BB	20181002	US20180928625	20180322
WO15070001 A2	20150514	WO2014US64525	20141107
WO15070001 A3	20151105	WO2014US64525	20141107

Priority:

US20130962476P 20131107
AU20140346641 20141107
US20160035033 20160506
AU20180282457 20181221
US20140931184P 20140124
US20140035033 20141107
US20180860937 20180103
US20140931146P 20140124
WO2014US64525 20141107
US20180928625 20180322

Probable Assignee: MASSACHUSETTS GEN HOSPITAL

Assignee(s): (std): GENERAL HOSPITAL CORP ; GEN HOSPITAL CORP ; MASSACHUSETTS GEN HOSPITAL

Assignee(s): PITTET MIKAEL ; GENERAL HOSPITAL D B A MASSACHUSETTS GENERAL HOSPITAL CORP ; AZROYAN ANIE ; BRETON SYLVIE ; BROWN DENNIS ; CORTEZ RETAMOZO VIRNA F

Inventor(s): (std): AZROYAN ANIE ; BROWN DENNIS ; PITTET MIKAEL ; BRETON SYLVIE ; CORTEZ RETAMOZO VIRNA F

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; ATKINSON JENNIFER; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; MARK J; TERESA A; NIXON PEABODY LLP; FITZGERALD MARK J; FITZGERALD MARK J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2014346641 AA	20160526	LSPB	+	published / reissued	
AU2014346641 BB	20180927	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014346641 BB	20190124	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014346641 BB	20341107	PEXP		Calculated	

				Patent Term Expiry	
AU2018282457 AA	20190124	LSPB	+	published / reissued	
CA2929974 AA	20160506	LSPB	+	published / reissued	
EP3066472 A2	20160914	LSPB	+	published / reissued	
EP3066472 A2	20160914	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160526
EP3066472 A4	20170405	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20170308
EP3066472 A4	20170405	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/566 20060101AFI20170302BHEP
EP3066472 A4	20171129	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20171031
EP3066472 A4	20190320	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190219
JP2017505897 T2	20170223	LSPB	+	published / reissued	
JP2017505897 T2	20171106	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20171106
JP2017505897 T2	20171106	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20171106
JP2017505897 T2	20180910	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20180910
JP2017505897 T2	20181210	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20181210
JP2017505897 T2	20190617	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20190617
US10088489 BB	20181002	LSGT	+	granted / extensions (spc, cpc, pte)	
US10088489 BB	20180612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE GENERAL HOSPITAL CORPORATION, MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BRETON, SYLVIE; BROWN, DENNIS; AZROYAN, ANIE; AND OTHERS; SIGNING DATES FROM 20150106 TO 20160428; REEL/FRAME:046057/0809
US10088489 BB	20380322	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US2016274131 AA	20160922	LSPB	+	published / reissued	
US2016274131 AA	20170929	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016274131 AA	20180103	LSFE	+PPR1	Publications -- Issue Fee Payment Received	

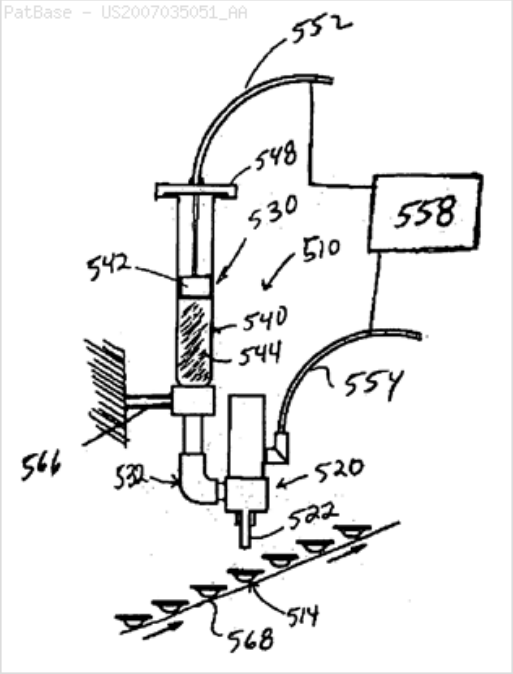
US2016274131 AA	20180124	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018136237 AA	20180517	LSPB	+	published / reissued	
US2018136237 AA	20180612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE GENERAL HOSPITAL CORPORATION, MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BRETON, SYLVIE; BROWN, DENNIS; AZROYAN, ANIE; AND OTHERS; SIGNING DATES FROM 20150106 TO 20160428; REEL/FRAME:046057/0809
US2018136237 AA	20181113	LSES	NFA1	Non Final Action Mailed	
US2018136237 AA	20190314	LSES	NFA1	Non Final Action Mailed	
US2018217167 AA	20180802	LSPB	+	published / reissued	
US2018217167 AA	20180912	LSGT	PAT1	Patented Case	
US2018217167 AA	20180912	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9891236 BB	20180213	LSGT	+	granted / extensions (spc, cpc, pte)	
US9891236 BB	20160516	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE GENERAL HOSPITAL CORPORATION D/B/A MASSACHUSET OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BRETON, SYLVIE; BROWN, DENNIS; AZROYAN, ANIE; AND OTHERS; SIGNING DATES FROM 20150106 TO 20160428; REEL/FRAME:038606/0800
US9891236 BB	20180124	LSGT	PAT1	Patented Case	
US9891236 BB	20350204	PEXP		Calculated Patent Term Expiry (PTA 89 days)	
WO15070001 A2	20150514	LSPB	+	published / reissued	
WO15070001 A3	20160506	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2016528246 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO15070001 A3	20160506	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2929974 COUNTRY OF REF DOCUMENT : CA
WO15070001 A3	20160506	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15035033 COUNTRY OF REF DOCUMENT : US
WO15070001 A3	20160509	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15070001 A3	20160526	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014346641 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20141107 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO15070001 A3	20160526	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2014860799 COUNTRY OF REF DOCUMENT : EP

61) Family number: 34288528 (US2007035051A)

Title: CONTACT LENS MOLD ASSEMBLIES AND SYSTEMS AND METHODS OF PRODUCING SAME

Abstract: Methods and apparatus are provided for making an ophthalmic lens. Apparatus are provided for filling contact lens shaped cavities of contact lens molding assemblies. Methods of coupling and fusing contact lens mold sections are also provided and generally include providing first and second mold sections which when coupled together are effective to form a lens-shaped cavity and contact regions between the mold sections. One or both of the mold sections may include one or more recessed regions or projections which provide areas of non-fusion and areas of fusion, respectively, when the mold sections have been filled with a contact lens precursor material and are fused together, for example, by means of focused ultrasound energy.

Classifications:
International (IPC 8-9): B29C39/26 B29C45/04 B29C33/00 B29C39/02 B29C39/24 B29D B29D11/00 G02C13/00 G02C7/04 (Advanced/Invention); B29C33/00 B29D11/00 B29L11/00 G02B1/08 (Advanced/Non-invention); B29C39/02 B29C39/24 B29C39/26 B29C45/03 B29D11/00 G02C13/00 G02C7/04 (Core/Invention); B29C33/00 G02B1/08 (Core/Non-invention); B29D (Subclass/Invention)
International (IPC 1-7): B29D11/00
CPC: Y10S425/808 B29D11/00038 B29D11/0049
European: B29D11/00C25B B29D11/00C4
US: 249/117 249/117S 264/1.32 264/1.320P 264/1.36 264/1.360S 264/1.38 264/2.5 264/442 264/494 425/557 425/557S 425/808 425/808S



Family:

Publication number	Publication date	Application number	Application date
BRPI0614233 A2	20110315	BR2006PI14233	20060807
BRPI0614233 B1	20180109	BR2006PI14233	20060807
CA2618674 AA	20070222	CA20062618674	20060807
CA2618674 C	20130702	CA20062618674	20060807
CN101237986 A	20080806	CN200680029215	20060807
CN101237986 B	20110105	CN200680029215	20060807
DE602006048232 D1	20160428	DE200660048232T	20060807
EP1752279 A2	20070214	EP20060016468	20060807
EP1752279 A3	20100929	EP20060016468	20060807
EP1752279 B1	20160316	EP20060016468	20060807
HK1121105 A1	20090417	HK20090100586	20090120
HK1121105 A1	20110415	HK20090100586	20090120
HK1121105 A3	20090417	HK20090100586	20090120
HK1121105 B	20110415	HK20090100586	20090120
HU029223 T2	20170228	HU20060016468T	20060807
IN00704CN2008 A	20081128	IN2008CN00704	20080211
JP2007047805 A2	20070222	JP20060238250	20060807
JP5016277 B2	20120905	JP20060238250	20060807
KR101281270 B1	20130703	KR20087005586	20060807
KR20080036630 A	20080428	KR20087005586	20060807
MX2008001499 A1	20080404	MX20080001499	20060807
MY144730 A	20111031	MY20060003803	20060807
TW200720066 A	20070601	TW20060128898	20060807
TWI399283 B	20130621	TW20060128898	20060807
US2007035051 AA	20070215	US20050200648	20050809
US7731873 BB	20100608	US20050200648	20050809
WO07021767 A2	20070222	WO2006US31078	20060807
WO07021767 A3	20071025	WO2006US31078	20060807

Priority:
US20050200648 20050809 EP20060016468 20060807 WO2006US31078 20060807

Probable Assignee: COOPERVISION INC

Assignee(s): (std): COOPERVISION INC ; COOPERVISION INT HOLDING CO LP ; DARNTON SARAH E ; GOODENOUGH NEIL G ; ROGERS RICHARD C

Assignee(s): COOPERVISION INTERNATIONAL HOLDING COMPANY LP ; COOPERVISION INT

Inventor(s): (std): DARNTON SARAH E ; ROGERS RICHARD C ; GOODENOUGH NEIL G ; SARAH E DARNTON ; NEIL G GOODENOUGH ; RICHARD C ROGERS ; SO53 4TE CHANDLERS FORD EASTLEIGH HAMPSHIRE C O COOPERVISION MFG R AND D PILOT FACILIT LTD

Inventor(s): GOODENOUGH NEIL G UNIT 1 SCHOOL LANE CHANDLERS FORDEASTLEIGH ; SO53 4TE CHANDLERS FORD EASTLEIGH HAMPSHIRE C O COOPERVISION MFG R AND D PILOT FACILITY UNIT 1 SCHOOL LANE LTD ; ROGERS RICHARD ; DARNTON SARAH ; GOODENOUGH NELL

Agent(s): BORDEN LADNER GERVAIS LLP; ABITZ AND PARTNER PATENTANWAELTE MBB; CRITTEN MATTHEW PETER; GE BO; FRANK J UXA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
BRPI0614233 A2	20110222	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	PARTYTYPE : OWNER OWNER : COOPERVISION INTERNATIONAL HOLDING COMPANY, LP (BB OLDPARTY : TRANSFERIDO DE: COOPERVISION, INC
BRPI0614233 A2	20161220	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0614233 A2	20170905	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0614233 A2	20180109	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	
BRPI0614233 B1	20260807	PEXP		Calculated Patent Term Expiry	
CA2618674 AA	20070222	LSPB	+	published / reissued	
CA2618674 AA	20110614	LSES	+EEER	EXAMINATION REQUEST	
CA2618674 C	20130702	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2618674 C	20260807	PEXP		Calculated Patent Term Expiry	
CN101237986 A	20080806	LSPB	+	published / reissued	
CN101237986 A	20080806	LSPB	+C06	PUBLICATION	
CN101237986 A	20081203	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : COOPERVISION INTERNAT HOLDINGS OLDPARTY : FORMER OWNER: COOPERVISION INC. EFFECTIVE DATE : 20081031
CN101237986 A	20081203	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN101237986 B	20110105	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101237986 B	20110105	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101237986 B	20110415	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1121105 COUNTRY OF REF DOCUMENT : HK
CN101237986 B	20260807	PEXP		Calculated Patent Term Expiry	
DE602006048232 D1	20160317	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OLDPARTY : COOPERVISION

					INC., FAIRPORT, N.Y., US
EP1752279 A2	20070214	LSPB	+	published / reissued	
EP1752279 A2	20081126	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : COOPERVISION INTERNATIONAL HOLDING COMPANY, LP
EP1752279 A2	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160802 YEAR OF FEE PAYMENT : 11
EP1752279 A2	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160803 YEAR OF FEE PAYMENT : 11
EP1752279 A2	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160712 YEAR OF FEE PAYMENT : 11
EP1752279 A3	20110504	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110328
EP1752279 A3	20110601	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : BG COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : CZ COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : EE COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : HU COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IS COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LT COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : LV COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : RO COUNTRY OF REF DOCUMENT : SE COUNTRY OF REF DOCUMENT : SI COUNTRY OF REF DOCUMENT : SK COUNTRY OF REF DOCUMENT : TR
EP1752279 A3	20130327	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20130301
EP1752279 A3	20151021	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B29D 11/00 20060101AFI20150914BHEP
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EP1752279 A3	20151028	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20150928
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EP1752279 B1	20160331	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1752279 B1	20160406	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1752279 B1	20160415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 780822 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160415
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EP1752279 B1	20160712	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP1752279 B1	20160725	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP1752279 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160617
EP1752279 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20160815	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 780822 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160316
EP1752279 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE

				NATIONAL OFFICE TO EPO]	WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160716
EP1752279 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160809 YEAR OF FEE PAYMENT : 11
EP1752279 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160718
EP1752279 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316

EP1752279 B1	20161219	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602006048232 COUNTRY OF REF DOCUMENT : DE
EP1752279 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160714 YEAR OF FEE PAYMENT : 11
EP1752279 B1	20170222	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20161219
EP1752279 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160616
EP1752279 B1	20170228	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E029223 COUNTRY OF REF DOCUMENT : HU
EP1752279 B1	20170331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20170331	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1752279 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160831
EP1752279 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160831
EP1752279 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE

				INFORMATION FROM NATIONAL OFFICE TO EPO]	DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20170714	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 12
EP1752279 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160807
EP1752279 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170801 YEAR OF FEE PAYMENT : 12
EP1752279 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170802 YEAR OF FEE PAYMENT : 12
EP1752279 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170714 YEAR OF FEE PAYMENT : 12
EP1752279 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170710 YEAR OF FEE PAYMENT : 12
EP1752279 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170809 YEAR OF FEE PAYMENT : 12
EP1752279 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160316
EP1752279 B1	20180712	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP1752279 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180724 YEAR OF FEE PAYMENT : 13
EP1752279 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180712 YEAR OF FEE PAYMENT : 13
EP1752279 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20180809 YEAR OF FEE PAYMENT : 13
EP1752279 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20180706 YEAR OF FEE PAYMENT : 13
EP1752279 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20180801 YEAR OF FEE PAYMENT : 13
EP1752279 B1	20260807	PEXP		Calculated Patent Term Expiry	
HK1121105 A1	20090417	LSPB	+	published / reissued	
HK1121105 A1	20110415	LSPB	+	published / reissued	
HK1121105 A1	20290120	PEXP		Calculated Patent Term Expiry	
HK1121105 A1	20290120	PEXP		Calculated Patent Term Expiry	
HK1121105 A3	20090417	LSPB	+	published / reissued	
HK1121105 B	20110415	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1121105 B	20290120	PEXP		Calculated Patent Term Expiry	
HU029223 T2	20170228	LSPB	+	published / reissued	
IN00704CN2008 A	20081128	LSPB	+	published / reissued	
JP2007047805 A2	20070222	LSPB	+	published / reissued	
JP2007047805 A2	20081023	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20081022
JP2007047805 A2	20090729	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20090728
JP2007047805 A2	20101221	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20101220
JP2007047805 A2	20110618	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110617
JP2007047805 A2	20111227	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20111226
JP2007047805 A2	20120327	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120326
JP2007047805 A2	20120522	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007047805 A2	20120529	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20120528
JP2007047805 A2	20120531	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2007047805 A2	20120614	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120608
JP2007047805 A2	20120615	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2007047805 A2	20120615	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP5016277 B2	20120905	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5016277 B2	20120612	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5016277 B2	20150528	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5016277 B2	20150602	LSFE	+R250	RECEIPT OF ANNUAL	TEXT : JAPANESE INTERMEDIATE

				FEES	CODE: R250
JP5016277 B2	20160602	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5016277 B2	20160607	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5016277 B2	20170601	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5016277 B2	20170606	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5016277 B2	20180531	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5016277 B2	20180605	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5016277 B2	20190530	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5016277 B2	20190604	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5016277 B2	20260807	PEXP		Calculated Patent Term Expiry	
KR101281270 B1	20130703	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101281270 B1	20160527	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20160527 YEAR OF FEE PAYMENT : 4
KR101281270 B1	20170601	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170601 YEAR OF FEE PAYMENT : 5
KR101281270 B1	20180529	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20180529 YEAR OF FEE PAYMENT : 6
KR101281270 B1	20260807	PEXP		Calculated Patent Term Expiry	
KR20080036630 A	20080428	LSPB	+	published / reissued	
KR20080036630 A	20081015	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR20080036630 A	20110620	LSES	A201	REQUEST FOR EXAMINATION	
KR20080036630 A	20130423	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20080036630 A	20130626	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
MX2008001499 A1	20080404	LSPB	+	published / reissued	
MX2008001499 A1	20081202	LSAS	GB	TRANSFER OR ASSIGNMENT	
MX2008001499 A1	20121105	LSGT	+FG	GRANT OR REGISTRATION	
MY144730 A	20111031	LSGT	+	granted / extensions (spc, cpc, pte)	
MY144730 A	20260807	PEXP		Calculated Patent Term Expiry	
TW200720066 A	20070601	LSPB	+	published / reissued	
TWI399283 B	20130621	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI399283 B	20260807	PEXP		Calculated Patent Term Expiry	
US2007035051 AA	20070215	LSPB	+	published / reissued	
US2007035051 AA	20080716	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COOPERVISION INTERNATIONAL HOLDING COMPANY, LP,BAR OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:COOPERVISION, INC.; REEL/FRAME:021242/0909 EFFECTIVE DATE : 20080618

US2007035051 AA	20080716	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:COOPERVISION, INC.; REEL/FRAME:021242/0909 EFFECTIVE DATE : 20080618
US2007035051 AA	20100519	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7731873 BB	20100608	LSGT	+	granted / extensions (spc, cpc, pte)	
US7731873 BB	20060330	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COOPERVISION, INC.,NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DARNTON, SARAH E.; GOODENOUGH, NEIL G.; ROGERS, RICHARD C.; SIGNING DATES FROM 20051019 TO 20060119; REEL/FRAME:017729/0604
US7731873 BB	20060330	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COOPERVISION, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DARNTON, SARAH E.; GOODENOUGH, NEIL G.; ROGERS, RICHARD C.; REEL/FRAME:017729/0604; SIGNING DATES FROM 20051019 TO 20060119
US7731873 BB	20100519	LSGT	PAT1	Patented Case	
US7731873 BB	20131106	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7731873 BB	20171123	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7731873 BB	20271206	PEXP		Calculated Patent Term Expiry (PTA 849 days)	
WO07021767 A2	20070222	LSPB	+	published / reissued	
WO07021767 A2	20060807	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200680029215.X COUNTRY OF REF DOCUMENT : CN
WO07021767 A3	20080131	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2008/001499 COUNTRY OF REF DOCUMENT : MX
WO07021767 A3	20080208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2618674 COUNTRY OF REF DOCUMENT : CA
WO07021767 A3	20080211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 704/CHENP/2008 COUNTRY OF REF DOCUMENT : IN
WO07021767 A3	20080212	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07021767 A3	20080307	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020087005586 COUNTRY OF REF DOCUMENT : KR
WO07021767 A3	20080903	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06801060 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO07021767 A3	20110315	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0614233

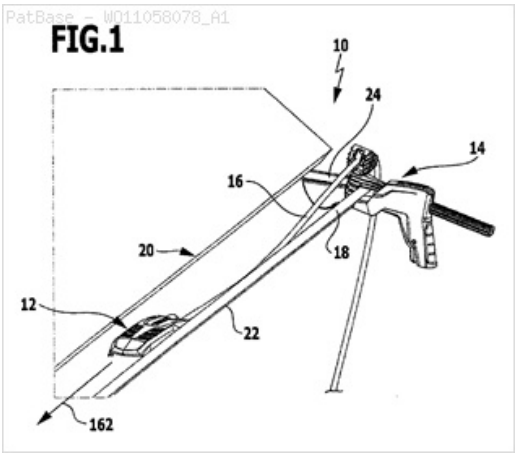
COUNTRY OF REF DOCUMENT :
BR
KIND CODE OF REF DOCUMENT :
A2
DESIGNATED STATE(S) :
EFFECTIVE DATE : 20080207

62) Family number: 48895538 (WO11058078A1)

Title: NOZZLE HEAD FOR CLEANING ROOF GUTTERS AND ROOF GUTTER CLEANING DEVICE HAVING SUCH A NOZZLE HEAD

Abstract: The invention relates to a nozzle head (12) for cleaning roof gutters. In order to allow the nozzle head to thoroughly clean the roof gutter (20) in a simple manner, the nozzle head can be inserted into the roof gutter to be cleaned and has a connecting part (152) for connecting a pressure hose (16) and at least one cleaning nozzle (154, 156) for ejecting pressurised cleaning fluid, wherein the cleaning nozzle points backwards opposite to a feed direction, and the nozzle head can be moved automatically in the feed direction along the roof gutter by the recoil of the ejected cleaning liquid. The invention further relates to a roof gutter cleaning device having such a nozzle head and a hose guide (14) for guiding the pressure hose around the edge (18) of a roof gutter.

Classifications:
International (IPC 8-9): B05B1/00 B08B3/02 B08B9/043 B08B9/053 E03F7/10 E03F9/00 E04D13/076 E04D13/147 (Advanced/Invention)
CPC: B08B9/053 B08B9/0433 E04D13/0765
European: B08B9/043J B08B9/053 E04D13/147D2



Family:

Publication number	Publication date	Application number	Application date
CN102510777 A	20120620	CN201080042106	20101110
CN102510777 B	20140820	CN201080042106	20101110
DE102009054381 A1	20110519	DE200910054381	20091116
DE502010002883 D1	20130606	DE201050002883T	20101110
DK2501500 T3	20130429	DK20100779307T	20101110
EP2501500 A1	20120926	EP20100779307	20101110
EP2501500 B1	20130403	EP20100779307	20101110
WO11058078 A1	20110519	WO2010EP67243	20101110

Priority:
DE200910054381 20091116 EP20100779307 20101110 WO2010EP67243 20101110

Probable Assignee: KAERCHER GMBH AND CO ALFRED KG

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Agent(s): HOEGER STELLRECHT AND PARTNER PATENTANWAELTE MBB; HOEGER STELLRECHT AND PARTNER PATENTANWAELTE; HOEGER STELLRECHT AND PARTNER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN102510777 A	20120620	LSPB	+	published / reissued	
CN102510777 A	20120620	LSPB	+C06	PUBLICATION	
CN102510777 B	20140820	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102510777 B	20140820	LSGT	+C14	GRANT OF PATENT	

				OR UTILITY MODEL	
CN102510777 B	20171222	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN102510777 B	20301110	PEXP		Calculated Patent Term Expiry	
DE102009054381 A1	20110519	LSPB	+	published / reissued	
DE102009054381 A1	20110519	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102009054381 A1	20160719	LSWD	-R120	APPLICATION WITHDRAWN OR IP RIGHT ABANDONED	
DK2501500 T3	20130429	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2501500 T3	20301110	PEXP		Calculated Patent Term Expiry	
EP2501500 A1	20120926	LSPB	+	published / reissued	
EP2501500 A1	20120926	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120515
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EP2501500 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
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EP2501500 B1	20130403	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2501500 B1	20130415	LSNP	REG	REFERENCE TO A	REF COUNTRY CODE : AT

				NATIONAL CODE	REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 604847 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130415
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EP2501500 B1	20130606	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010002883 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130606
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				NATIONAL CODE	REF LEGAL EVENT CODE : PL
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EP2501500 B1	20151008	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
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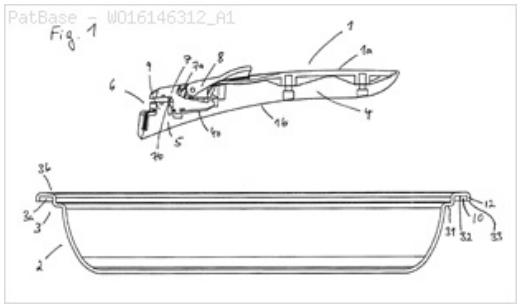
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EP2501500 B1	20170626	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP EFFECTIVE DATE : 20161130
EP2501500 B1	20170825	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20170731
EP2501500 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161130
EP2501500 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170601
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EP2501500 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2501500 B1	20301110	PEXP		Calculated Patent Term Expiry	
WO11058078 A1	20110519	LSPB	+	published / reissued	
WO11058078 A1	20101110	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201080042106.8 COUNTRY OF REF DOCUMENT : CN
WO11058078 A1	20120515	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010779307 COUNTRY OF REF DOCUMENT : EP

63) Family number: 59064539 (WO16146312A1)

Title: REMOVABLE HANDLE FOR A COOKING VESSEL

Abstract: The invention relates to a removable handle for a cooking vessel having a protruding vessel edge, a combination of at least one removable handle, and a cooking vessel, and a corresponding cooking vessel. The cooking vessel (2) has a protruding cooking vessel edge (3). The handle comprises: a) a holding part (4) for holding the handle (1), which holding part can be grasped by a hand; b) a fastening part (5), which has a support (6) for the bottom side (3a) of the protruding cooking vessel edge (3); c) a locking device, which has a locking element (7) lying opposite the fastening part (5) for locking the handle (1), which locking element can be moved between a locking position, which allows the protruding cooking vessel edge (3) to be held between the fastening part (5) and the locking element (7), and an open position; wherein the locking device comprises an actuating element (8) in order to actuate the locking element (7) and to transfer the locking element to the locking position. The holding part (4) of the handle is rigidly connected to the fastening part (5), and the actuating element (8) is designed to apply a force acting on the top side (7a) of the locking element (7) in order to move the locking element (7) toward the fastening part (5) in the direction of the handle bottom side (1a) when the locking element (7) is transferred from the open position to the locking position.

Classifications:
International (IPC 8-9): A47J36/00 A47J45/07 (Advanced/Invention)
CPC: A47J45/071



Family:

Publication number	Publication date	Application number	Application date
DE202015001953 U1	20150430	DE201520001953U	20150313
WO16146312 A1	20160922	WO2016EP53033	20160212

Priority:

DE201520001953U 20150313

Probable Assignee: DS PRODUKTE GMBH

Assignee(s): (std): DS PRODUKTE GMBH

Inventor(s): (std): TRUMPLER JOAKIM

Agent(s): PRINZ AND PARTNER MBB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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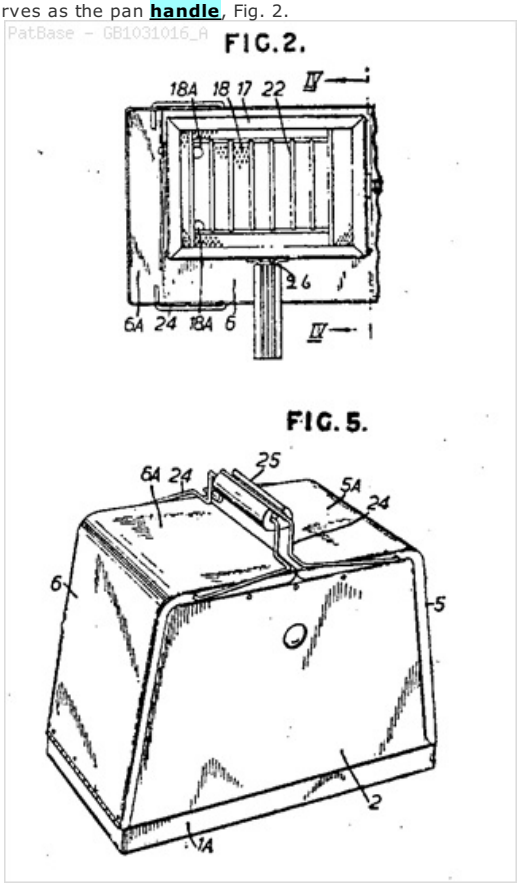
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DE202015001953 U1	20180405	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202015001953 U1	20250313	PEXP		Calculated Patent Term Expiry	
WO16146312 A1	20160922	LSPB	+	published / reissued	
WO16146312 A1	20170914	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16146312 A1	20180411	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 16704015 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

64) Family number: 761552 (GB1031016A)

Title: Portable cooking apparatus

Abstract: 1,031,016. Handles for cooking vessels; carrying handles. TILLEY LAMP CO. Ltd. May 4, 1964 [June 24, 1963], No. 25102/63. Headings A4A and A4G. [Also in Division F4] The casing of a portable cooking stove (Heading F4W) has two side plates 5, 6 which are held in place by a carrying handle 25 engaging loops 24 which form legs when the stove is opened. The handle 25 has a lug to engage a loop formed on a frying pan or grill pan so that it serves as the pan **handle**, Fig. 2.

Classifications:
International (IPC 8-9): A47J37/06 B01D19/00 F24C3/14 (Advanced/Invention);
A47J37/06 B01D19/00 F24C3/00 (Core/Invention)
International (IPC 1-7): A47J33/00 F24C3/14
CPC: A47J37/06 B01D19/00 F24C3/14
European: A47J37/06 B01D19/00 F24C3/14



Family:

Publication number	Publication date	Application number	Application date
FR1399299 A	19650514	FR19640979139	19640622
GB1031016 A	19660525	GB19630025102	19630624
NL6406897 A	19641228	NL19640006897	19640617

Priority:
GB19630025102 19630624

Probable Assignee: TILLEY LAMP COMPANY LTD
Assignee(s): (std): TILLEY LAMP CO LTD ; TILLEY LAMP COMPANY LTD
Assignee(s): THE TILLEY LAMP COMPANY LIMITED
Inventor(s): (std): WHITTAKER NORMAN ALBERT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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FR1399299 A	19840622	PEXP		Calculated Patent Term Expiry	
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GB1031016 A	19830624	PEXP		Calculated Patent Term Expiry	
NL6406897 A	19641228	LSPB	+	published / reissued	

65) Family number: 29937583 (US2002009807A)

Title: Lipid bilayer array method and devices

Abstract: The invention provides useful devices and methods for both studying interfaces between cell membranes, and integrating living cells with synthetic surfaces exhibiting complex lateral composition, organization and fluidity. Described is the fabrication of controlled interfaces between cells and synthetic supported lipid bilayer membranes.

Classifications:

International (IPC 8-9): B01J19/00 C12M1/00 C12M1/34 C12N15/09 C12N5/00 C12Q1/00 C12Q1/68 C40B60/14 G01N27/12 G01N27/26 G01N27/416 G01N27/447 G01N27/453 G01N33/50 G01N33/52 G01N33/53 G01N33/543 G01N33/544 G01N33/68 G01N33/92 G01N37/00 (Advanced/Invention);
C40B40/06 C40B40/10 C40B60/14 (Advanced/Non-invention);
B01J19/00 C12M1/34 G01N27/453 G01N33/53 G01N33/544 G01N33/92 G01N37/00 (Core/Invention);
C40B60/14 (Core/Non-invention);
G01B (Subclass/Invention)

International (IPC 1-7): B01J19/00 C12M1/00 C12M1/34 C12N15/09 C12N5/00 C12Q1/00 C12Q1/68 G01B G01N27/12 G01N27/26 G01N27/327 G01N27/416 G01N27/447 G01N27/453 G01N33/50 G01N33/52 G01N33/53 G01N33/543 G01N33/544 G01N33/92 G01N35/00 G01N37/00

CPC: B01J2219/00382 B01J2219/00743 C12N5/0068 B01J2219/00619 B01J2219/00626 B01J2219/00635 Y10T436/11 B82Y30/00 B01J19/0046 B01J2219/00317 B01J2219/00351 B01J2219/00367 B01J2219/00378 B01J2219/00387 B01J2219/00527 B01J2219/00576 B01J2219/00585 B01J2219/00596 B01J2219/00605 B01J2219/0061 B01J2219/00612 B01J2219/00617 B01J2219/00621 B01J2219/0063 B01J2219/00637 B01J2219/00653 B01J2219/00659 B01J2219/00677 B01J2219/00689 B01J2219/00702 B01J2219/00713 B01J2219/0072 B01J2219/00722 B01J2219/00725 B01J2219/00734 C12N2533/52 C12N2535/10 C12Q1/002 C40B40/06 C40B40/10 C40B60/14 G01N33/5432 G01N33/54373 G01N33/544 G01N33/6872 G01N33/92 G01N2405/04

European: B01J19/00C B82Y30/00 C12N5/00S C12Q1/00B2 G01N33/543D2 G01N33/543K2 G01N33/544 G01N33/68F G01N33/92 L01J219/00C10B L01J219/00C10B10 L01J219/00C10B16B L01J219/00C10B2 L01J219/00C10B4 L01J219/00C2B4D2B L01J219/00C2D L01J219/00C2D10 L01J219/00C2D4B L01J219/00C2D6 L01J219/00C2D8 L01J219/00C2L8 L01J219/00C2N14D L01J219/00C4B L01J219/00C4H L01J219/00C4L12 L01J219/00C4L2 L01J219/00C4L24 L01J219/00C4L2D L01J219/00C4L2F L01J219/00C4L2H2 L01J219/00C4L2H2H L01J219/00C4L2H4 L01J219/00C4L2J2 L01J219/00C4L2J6 L01J219/00C4L2L2 L01J219/00C4L2L4 L01J219/00C4L6 L01J219/00C6F2 L01J219/00C6P L01J219/00C8D M12N533/52 M12N535/10 M40B40/06 M40B40/10 M40B60/14 S01N405/04

US: 422/63 422/63S 422/82.02 422/82.06 427/2.13 435/283.1 435/283.100S 435/287.3 435/287.300S 435/402 435/402P 436/164 436/172 436/43 436/43P 436/525 436/71 436/71S 506/18 506/23 506/30 506/39

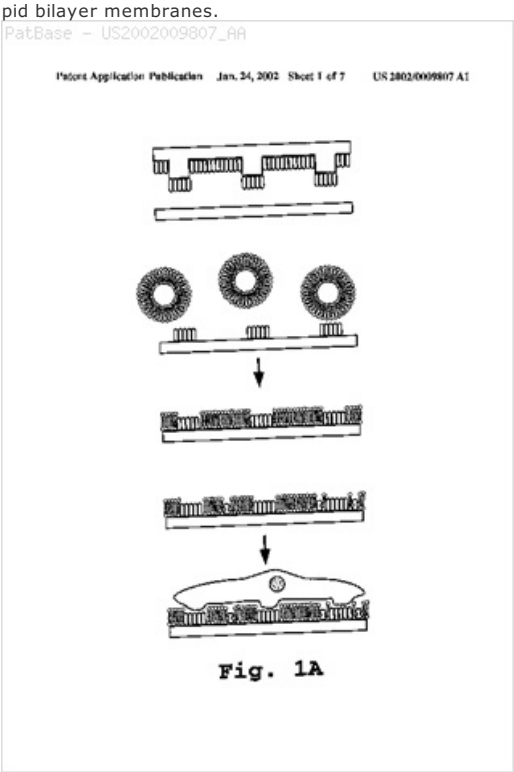


Fig. 1A

Family:

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AU2001264685 AA	20011126	AU20010264685	20010517
AU2001280999 AA	20020218	AU20010280999	20010803
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AU200164685 A5	20011126	AU20010064685	20010517
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AU2003256703 AA	20040209	AU20030256703	20030722
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CA2388173 AA	20020314	CA20002388173	20001006
CA2408351 AA	20021104	CA20012408351	20010517
CA2417569 AA	20030128	CA20012417569	20010803
CA2492899 AA	20050118	CA20032492899	20030722
DE69735601 D1	20060518	DE19976035601	19971126
DE69735601 T2	20071018	DE19976035601T	19971126
EP0941474 A1	19990915	EP19970948581	19971126
EP0941474 A4	20000223	EP19970948581	19971126
EP0941474 B1	20060329	EP19970948581	19971126
EP1218097 A1	20020703	EP20000972033	20001006
EP1287351 A2	20030305	EP20010939134	20010517
EP1305614 A2	20030502	EP20010959443	20010803
EP1543317 A2	20050622	EP20030765972	20030722
EP1543317 A4	20061004	EP20030765972	20030722
JP2003511679 T2	20030325	JP20010529854T	20001006
JP2003533211 T2	20031111	JP20010584564T	20010517
JP2004506208 T2	20040226	JP20020517830T	20010803
JP2005534010 T2	20051110	JP20040523347T	20030722
JP4493496 B2	20100630	JP20040523347T	20030722
US2002009807 AA	20020124	US20010860124	20010517
US2003096418 AA	20030522	US20020200682	20020722

US6228326 BA	20010508	US19970978756	19971126
US6503452 BA	20030107	US20000631906	20000804
US6699719 BB	20040302	US20020200682	20020722
WO0126800 A1	20010419	WO2000US27774	20001006
WO0188182 A2	20011122	WO2001US16168	20010517
WO0188182 A3	20020516	WO2001US16168	20010517
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WO0212546 A3	20020425	WO2001US24272	20010803
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WO04010074 A3	20040506	WO2003US23030	20030722
WO04010074 B1	20040701	WO2003US23030	20030722
WO9823948 A1	19980604	WO1997US21835	19971126

Priority:

US19960032325P 19961129
US19970978756 19971126
WO1997US21835 19971126
US19990158485P 19991008
US20000205604P 20000518
US20000631906 20000804
WO2000US27774 20001006
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WO2001US16168 20010517
WO2001US24272 20010803
US20020200682 20020722
WO2003US23030 20030722

Probable Assignee: PROTEOMIC SYSTEMS INC

Assignee(s): (std): BOXER STEVEN ; TRUSTEES FOR LELAND STANFO ; PROTEOMIC SYSTEMS INC ; UNIV LELAND STANFORD JUNIOR ; KAM LANCE ; TRUSTEES OF BOARD OF ; SYNAMEM CORP

Assignee(s): NGUYEN LUAT T ; ULMAN MORRISON ; YAMAZAKI MIKI VIKKY ; NAVY US SECRETARY ; PEQUOT HEALTHCARE VENTURE FU ; NATIONAL SCIENCE FOU ; PEQUOT HEALTHCARE VENTURE FUND LP ; PEQUOT OHV FUND LP ; NATIONAL SCIENCE FOUNDATION ; NATIONAL INST ; NAVY US GOV SECRETARY AS ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEA ; BOXER STEVEN G ; GROVES JOHN T ; HOVIS JENNIFER S ; BOARD OF TRUSTEES FOR LELAND STANFORD JUNI ; BOARD OF TRUSTEES FOR LELAND STANFORD JUNIOR UNIV ; BOARD OF TRUSTEES OF ; BOARD OF TRUSTEES OF LELAND STANFORD JUNIO ; BOARD OF TRUSTEES OF LELAND STANFORD JUNIOR UNIV ; BOARD OF TRUSTEES OF LELAND STANFORD JUNIOR UNIV STANFORD

Inventor(s): (std): BOXER STEVEN ; KAM LANCE ; ULMAN MORRISON ; GROVES JOHN T ; YAMAZAKI MIKI ; NGUYEN LUAT T ; BOXER STEVEN G ; GROVES JAY T ; ULMAN NICK ; YAMAZAKI MIKI VIKKY ; GROVES T ; BOXER G ; HOVIS JENNIFER S

Inventor(s): STEVEN BOXER ; MIKI VIKKY YAMAZAKI ; NICK ULMAN ; JAY T GROVES ; MIKI YAMAZAKI ; MORRISON ULMAN ; LUAT T NGUYEN ; STEVEN G BOXER ; JOHN T GROVES ; LANCE KAM

Agent(s): FB RICE; FB RICE PTY LTD; GOWLING LAFLEUR HENDERSON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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AT322010 E	20060915	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
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AU2003256703 AA	20040209	LSPB	+	published / reissued	
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CA2388173 AA	20020314	LSPB	+	published / reissued	
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CA2408351 AA	20021104	LSPB	+	published / reissued	
CA2408351 AA	20060517	LSLE	-FZDE	DEAD	
CA2417569 AA	20030128	LSPB	+	published / reissued	
CA2417569 AA	20070803	LSLE	-FZDE	DEAD	
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CA2492899 AA	20080722	LSLE	-FZDE	DEAD	
DE69735601 D1	20070606	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69735601 D1	20171126	LSLE	-R071	EXPIRY OF RIGHT	
DE69735601 T2	20071018	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69735601 T2	20171126	PEXP		Calculated Patent Term Expiry	
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EP0941474 B1	20171227	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MK9A
EP0941474 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20171125
EP0941474 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20171126
EP0941474 B1	20171125	PEXP		Calculated Patent Term Expiry	
EP0941474 B1	20171126	PEXP		Calculated Patent Term Expiry	

EP1218097 A1	20020703	LSPB	+	published / reissued	
EP1218097 A1	20020703	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020419
EP1218097 A1	20031001	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20030819
EP1218097 A1	20061108	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20060503
EP1218097 A1	20090522	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : WD REF DOCUMENT NUMBER : 1046653 COUNTRY OF REF DOCUMENT : HK
EP1287351 A2	20030305	LSPB	+	published / reissued	
EP1287351 A2	20030305	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20021218
EP1287351 A2	20041201	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20041006
EP1305614 A2	20030502	LSPB	+	published / reissued	
EP1305614 A2	20030502	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20030224
EP1305614 A2	20060913	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20060817
EP1305614 A2	20080507	LSRE	RTI1	TITLE (CORRECTION)	TEXT : BIOSENSOR ARRAYS AND METHODS FOR PRODUCTION
EP1305614 A2	20100203	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20090804
EP1543317 A2	20050622	LSPB	+	published / reissued	
EP1543317 A2	20050622	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20050218
EP1543317 A4	20061004	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20060905
EP1543317 A4	20061004	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 27/12 20060101ALI20060830BHEP
EP1543317 A4	20061004	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B01J 19/00 20060101AFI20060830BHEP
EP1543317 A4	20100224	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20100125
JP2003511679 T2	20030325	LSPB	+	published / reissued	
JP2003511679 T2	20080108	LSWD	-A300	WITHDRAWAL OF APPLICATION BECAUSE OF NO REQUEST FOR EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A300 EFFECTIVE DATE : 20080108
JP2003533211 T2	20031111	LSPB	+	published / reissued	
JP2003533211 T2	20080805	LSWD	-A300	WITHDRAWAL OF APPLICATION BECAUSE OF NO REQUEST FOR EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A300 EFFECTIVE DATE : 20080805
JP2004506208 T2	20040226	LSPB	+	published / reissued	

JP2004506208 T2	20080801	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20080731
JP2004506208 T2	20101105	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20101104
JP2004506208 T2	20110705	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20110704
JP2005534010 T2	20051110	LSPB	+	published / reissued	
JP2005534010 T2	20060705	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20060704
JP2005534010 T2	20081015	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20081014
JP2005534010 T2	20090415	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090414
JP2005534010 T2	20090514	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20090513
JP2005534010 T2	20090915	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090914
JP2005534010 T2	20100210	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20100120
JP2005534010 T2	20100216	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20100215
JP2005534010 T2	20100305	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2005534010 T2	20100311	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20100310
JP2005534010 T2	20100318	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2005534010 T2	20100415	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20100406
JP2005534010 T2	20100416	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2005534010 T2	20100419	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4493496 B2	20100630	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4493496 B2	20100413	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20130411	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3

JP4493496 B2	20130416	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4493496 B2	20140410	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20140415	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4493496 B2	20150409	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20150414	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4493496 B2	20160407	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20160412	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4493496 B2	20170413	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20170418	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4493496 B2	20180412	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20180417	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4493496 B2	20190411	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4493496 B2	20190416	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4493496 B2	20230722	PEXP		Calculated Patent Term Expiry	
US2002009807 AA	20020124	LSPB	+	published / reissued	
US2002009807 AA	20010904	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KAM, LANCE; BOXER, STEVEN G.; REEL/FRAME:012152/0086; SIGNING DATES FROM 20010820 TO 20010826
US2002009807 AA	20041209	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2002009807 AA	20081103	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL INSTITUTES OF HEALTH (NIH), U.S. DEPT. OF OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:STANFORD UNIVERSITY; REEL/FRAME:021776/0633 EFFECTIVE DATE : 20020109
US2003096418 AA	20030522	LSPB	+	published / reissued	
US2003096418 AA	20040212	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6228326 BA	20010508	LSGT	+	granted / extensions (spc, cpc, pte)	
US6228326 BA	19980831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOXER, STEVEN G.; ULMAN, NICK; GROVES, JAY T.; REEL/FRAME:009421/0756 EFFECTIVE DATE : 19980807

US6228326 BA	20010420	LSGT	PAT1	Patented Case	
US6228326 BA	20010420	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6228326 BA	20010803	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NAVY, UNITED STATES OF AMERICA, THE, AS REPRESENTE OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:LELAND STANFORD JR, UNIV, BOARD OF TRUSTEES, THE; REEL/FRAME:012117/0100 EFFECTIVE DATE : 20000627
US6228326 BA	20011030	LSRE	CC	CERTIFICATE OF CORRECTION	
US6228326 BA	20021101	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL SCIENCE FOUNDATION, VIRGINIA OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:DEPARTMENT OF THE NAVY ONR; REEL/FRAME:013447/0329 EFFECTIVE DATE : 20010615
US6228326 BA	20021101	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL SCIENCE FOUNDATION, VIRGINIA OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:STANFORD UNIVERSITY; REEL/FRAME:013438/0390 EFFECTIVE DATE : 20010615
US6228326 BA	20050127	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6228326 BA	20081108	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6228326 BA	20111228	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL SCIENCE FOUNDATION, VIRGINIA OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:STANFORD UNIVERSITY; REEL/FRAME:027456/0314 EFFECTIVE DATE : 20110824
US6228326 BA	20121108	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6228326 BA	20171126	PEXP		Calculated Patent Term Expiry	
US6503452 BA	20030107	LSGT	+	granted / extensions (spc, cpc, pte)	
US6503452 BA	20001124	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOXER, STEVEN; KAM, LANCE; REEL/FRAME:011292/0038 EFFECTIVE DATE : 20001027
US6503452 BA	20021219	LSGT	PAT1	Patented Case	
US6503452 BA	20021219	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6503452 BA	20030909	LSRE	CC	CERTIFICATE OF CORRECTION	
US6503452 BA	20060706	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6503452 BA	20100707	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6503452 BA	20120313	LSRE	CC	CERTIFICATE OF CORRECTION	
US6503452 BA	20140630	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6503452 BA	20160316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATIONAL SCIENCE FOUNDATION, VIRGINIA OLDPARTY : CONFIRMATORY

					LICENSE; ASSIGNOR:STANFORD UNIVERSITY; REEL/FRAME:038117/0652 EFFECTIVE DATE : 20160315
US6503452 BA	20160802	LSRE	CC	CERTIFICATE OF CORRECTION	
US6503452 BA	20210108	PEXP		Calculated Patent Term Expiry (PTA 157 days)	
US6699719 BB	20040302	LSGT	+	granted / extensions (spc, cpc, pte)	
US6699719 BB	20020826	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PEQUOT OHV FUND, L.P., CONNECTICUT OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:PROTOMEIC SYSTEMS, INC.; REEL/FRAME:013234/0162 EFFECTIVE DATE : 20020826
US6699719 BB	20020826	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PEQUOT HEALTHCARE VENTURE FUND, L.P., CONNECTICUT OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:PROTOMEIC SYSTEMS, INC.; REEL/FRAME:013234/0162 EFFECTIVE DATE : 20020826
US6699719 BB	20021021	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PROTEOMIC SYSTEMS, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:YAMAZAKI, MIKI (VIKKY); ULMAN, MORRISON; NGUYEN, LUAT T.; AND OTHERS; REEL/FRAME:013423/0518; SIGNING DATES FROM 20020724 TO 20020920
US6699719 BB	20040212	LSGT	PAT1	Patented Case	
US6699719 BB	20070829	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6699719 BB	20120224	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6699719 BB	20150902	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6699719 BB	20220722	PEXP		Calculated Patent Term Expiry	
WO0126800 A1	20010419	LSPB	+	published / reissued	
WO0126800 A1	20020314	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2388173 COUNTRY OF REF DOCUMENT : CA
WO0126800 A1	20020321	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2000972033 COUNTRY OF REF DOCUMENT : EP
WO0126800 A1	20020405	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2001 529854 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO0126800 A1	20020703	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000972033 COUNTRY OF REF DOCUMENT : EP
WO0126800 A1	20060503	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000972033 COUNTRY OF REF DOCUMENT : EP
WO0188182 A2	20011122	LSPB	+	published / reissued	
WO0188182 A3	20021104	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001264685 COUNTRY OF REF DOCUMENT : AU
WO0188182 A3	20021104	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO	REF DOCUMENT NUMBER : 2408351 COUNTRY OF REF DOCUMENT : CA

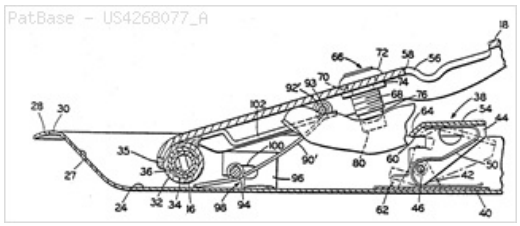
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WO0188182 A3	20021218	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001939134 COUNTRY OF REF DOCUMENT : EP
WO0188182 A3	20030305	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001939134 COUNTRY OF REF DOCUMENT : EP
WO0188182 A3	20041006	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001939134 COUNTRY OF REF DOCUMENT : EP
WO0212546 A2	20020214	LSPB	+	published / reissued	
WO0212546 A3	20030122	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001280999 COUNTRY OF REF DOCUMENT : AU
WO0212546 A3	20030128	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2417569 COUNTRY OF REF DOCUMENT : CA
WO0212546 A3	20030131	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002517830 COUNTRY OF REF DOCUMENT : JP
WO0212546 A3	20030203	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001959443 COUNTRY OF REF DOCUMENT : EP
WO0212546 A3	20030502	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001959443 COUNTRY OF REF DOCUMENT : EP
WO0212546 A3	20030618	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO04010074 A2	20040129	LSPB	+	published / reissued	
WO04010074 B1	20040701	LSRE	+B	LATER PUBLICATION OF AMENDED CLAIMS	EFFECTIVE DATE : 20040517
WO04010074 B1	20050118	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2492899 COUNTRY OF REF DOCUMENT : CA
WO04010074 B1	20050120	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004523347 COUNTRY OF REF DOCUMENT : JP
WO04010074 B1	20050218	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003765972 COUNTRY OF REF DOCUMENT : EP
WO04010074 B1	20050622	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003765972 COUNTRY OF REF DOCUMENT : EP
WO9823948 A1	19980604	LSPB	+	published / reissued	
WO9823948 A1	19990629	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1997948581 COUNTRY OF REF DOCUMENT : EP
WO9823948 A1	19990915	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1997948581 COUNTRY OF REF DOCUMENT : EP
WO9823948 A1	20060329	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1997948581 COUNTRY OF REF DOCUMENT : EP

66) Family number: 1553601 (US4268077A)

Title: SELF-STORING DOOR HANDLE

Abstract: A door actuator for a commercial vehicle includes a mechanism which biases the handle to a stored position and a latch which maintains the handle in the stored position. A key operated lock mechanism cooperates with the latch to lock the handle in the stored position.

Classifications:
International (IPC 8-9): E05B13/10 E05C3/08 (Advanced/Invention); E05B65/16 (Advanced/Non-invention); E05B13/00 (Core/Invention); E05B65/12 (Core/Non-invention)
International (IPC 1-7): E05B5/00 E05B5/02 E05B63/14 E05B65/14 E05B7/00 E05C13/02 E05C21/02 E05C3/08 E05C9/08 E05C9/10
CPC: Y10S292/31 Y10S292/61 Y10T292/1092 Y10T292/57 E05B13/10 E05B83/10
European: E05B13/10 P05B83/10
US: 292/210 292/336.3 292/DIG.31 292/DIG.61



Family:

Publication number	Publication date	Application number	Application date
CA1124765 A1	19820601	CA19790333232	19790806
DE2933099 A1	19800313	DE19792933099	19790816
DE2933099 C2	19821230	DE19792933099	19790816
FR2434914 A1	19800328	FR19790020509	19790810
GB2028912 A1	19800312	GB19790026638	19790731
GB2028912 B2	19820616	GB19790026638	19790731
US4268077 A	19810519	US19780937394	19780828

Priority:
US19780937394 19780828 CA19790333232 19790806

Probable Assignee: ABEX CORP
Assignee(s): (std): ABEX CORP
Assignee(s): ABEX CORP N D GES DES STAATES DELAWARE NEW YORK ; ABEX CORP N D GES DES STAATES DELAWARE NEW YORK N Y US ; ABEX CORP NDGESDES STAATES DELAWARE NEW YORK NY ; AL HANSEN MFG ; AL HANSEN MFG CO A CORP OF IL ; HANSEN RANDALL C ; BOHLEEN BRIAN O
Inventor(s): (std): BOHLEEN BRIAN O ; HANSEN RANDALL C
Inventor(s): O BOHLEEN BRIAN ; C HANSEN RANDALL
Agent(s): MACRAE AND CO

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE2933099 A1	19800313	LSPB	+	published / reissued	
DE2933099 A1	19810806	LSES	+8110	REQUEST FOR EXAMINATION PARAGRAPH 44	
DE2933099 C2	19821230	LSGT	+	granted / extensions (spc, cpc, pte)	
DE2933099 C2	19821230	LSGT	+D2	GRANT AFTER EXAMINATION	
DE2933099 C2	19841129	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : ABEX CORP. (N.D.GES. DES STAATES DELAWARE), STAMFO
DE2933099 C2	19850502	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : A.L. HANSEN MANUFACTURING CO., GURNEE, ILL., US
DE2933099 C2	19880811	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
FR2434914 A1	19800328	LSPB	+	published / reissued	
FR2434914 A1	19830624	LSLE	-ST	NOTIFICATION OF LAPSE	
GB2028912 A1	19800312	LSPB	+	published / reissued	
GB2028912 B2	19820616	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2028912 B2	19870318	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL	

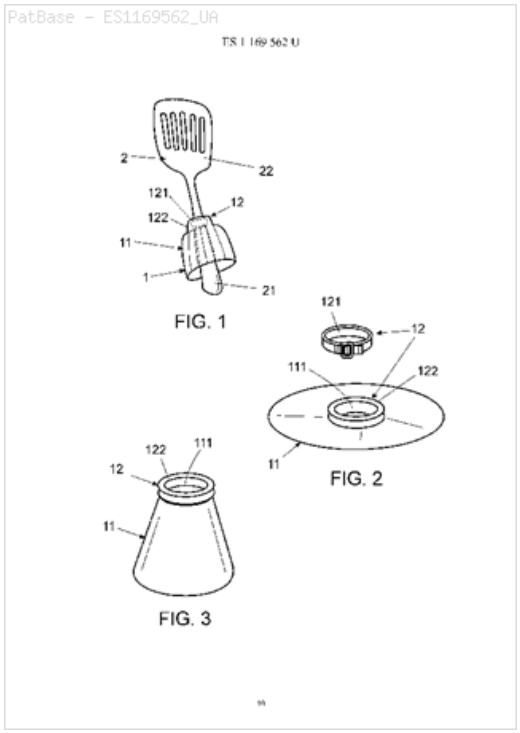
				FEE	
GB2028912 B2	19990731	PEXP		Calculated Patent Term Expiry	
US4268077 A	19810519	LSGT	+	granted / extensions (spc, cpc, pte)	
US4268077 A	19800616	LSGT	PAT1	Patented Case	
US4268077 A	19840920	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : A.L. HANSEN MANUFACTURING COMPANY 2155 DELANEY ROA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:ABEX CORPORATION; REEL/FRAME:004306/0070 EFFECTIVE DATE : 19840821

67) Family number: 63991606 (ES1169562Y)

Title: ACCESORIO PROTECTOR DE COCINA.

Abstract: Source: ES1169562U [ES] 1. Accesorio protector de cocina que, aplicable para incorporarse a utensilios (2) que se utilizan para cocinar, protegiendo la mano de eventuales salpicaduras, esta caracterizado por comprender: un cuerpo (11) envolvente, que se incorpora, de manera extraible, entre el mango (21) y el extremo opuesto del utensilio (2) insertandose a traves de un orificio (111) del que esta dotado dicho cuerpo (11), y determina una pantalla protectora para dicha mano del usuario, y unos medios de fijacion (12) extraibles de dicho cuerpo (11) al utensilio (2). **Machine translation:** 1. protective accessory kitchen, applicable for joining (2) items that are used for cooking, protecting the hand of any splashing, is characterized by understanding: a body (11) envelope, which is embodied, so pull-out handle (21) to the opposite end of the Pan (2) insertandose through a hole (111) which is equipped with the body (11), and determines a protective screen for the hand of the user, and a few means of **fixation** (12) removable from the body (11) to the appliance (2).

Classifications:
International (IPC 8-9): A47J43/28 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
ES1169562 UA	20161115	ES20160031185U	20160930
ES1169562 Y1	20170206	ES20160031185U	20160930

Priority:
ES20160031185U 20160930

Probable Assignee:	CORREA LALAYAN ARTURO
Assignee(s): (std):	CORREA LALAYAN ARTURO
Assignee(s):	ARTURO CORREA LALAYAN
Inventor(s): (std):	CORREA LALAYAN ARTURO
Inventor(s):	ARTURO CORREA LALAYAN
Agent(s):	ESPIELL EDUARDO MARIA

Legal status (INPADOC)

View legal status timeline

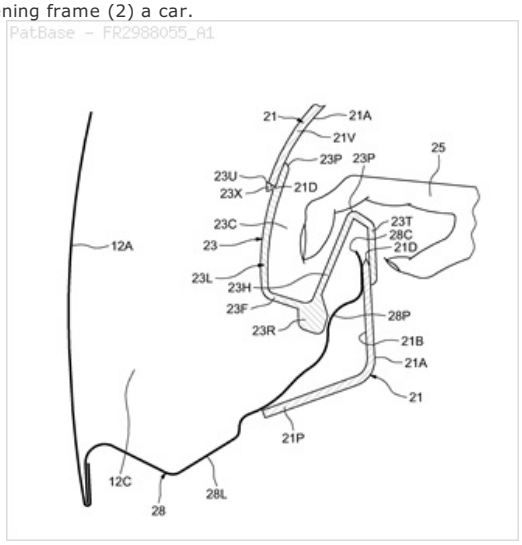
Patent	Date recorded	Event group	Code	Event	Details
ES1169562 UA	20161115	LSPB	+	published / reissued	
ES1169562 UA	20170206	LSGT	+FG1K	UTILITY MODEL GRANTED	EFFECTIVE DATE : 20170131
ES1169562 Y1	20170206	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1169562 Y1	20260930	PEXP		Calculated Patent Term Expiry	

68) Family number: 54810619 (FR2988055A)

Title: GRIP PREPARING DEVICE FOR OPENING FRAME OF ACCESS OPENING OF LUGGAGE COMPARTMENT OF CAR, HAS GRIPPING SIDE THAT IS ALLOWED TO EXTEND TRANSVERSELY IN TILTED MANNER WITH REGARD TO PRINCIPAL SURFACE WHILE CROSSING CUTTING

Abstract: The device has a preparing panel (21) comprising a principal face (21A) that is intended to be in correspondence to an opening when an opening frame is closed. The preparing panel defines a cutting (21D) in its wall of the principal face, where the cutting receives a case (23) upon engagement. A set of hand fingers (25) is utilized for handling the opening frame, and a gripping side (23H) is allowed to extend transversely in a tilted manner with regard to the principal surface while crossing the cutting. Independent claims are also included for the following: (1) an opening frame (2) a car.

Classifications:
International (IPC 8-9): B60J5/10 B60R13/02 E05B1/00 E05B1/04 (Advanced/Invention)
CPC: E05B85/12 B60R13/0243 B60R2013/0281 B60R2013/0287 B60R2013/0293



Family:

Publication number	Publication date	Application number	Application date
FR2988055 A1	20130920	FR20120052219	20120313

Priority:
FR20120052219 20120313

Probable Assignee:	PEUGEOT CITROEN AUTOMOBILES SA
Assignee(s): (std)**:**	PEUGEOT CITROEN AUTOMOBILES SA
Inventor(s): (std)**:**	JAMIN MARIE ANTOINETTE ; MURER CYRIL
Inventor(s):	CYRIL MURER ; MARIE ANTOINETTE JAMIN
Agent(s):	PEUGEOT CITROEN AUTOMOBILES SA

Legal status (INPADOC)

View legal status timeline

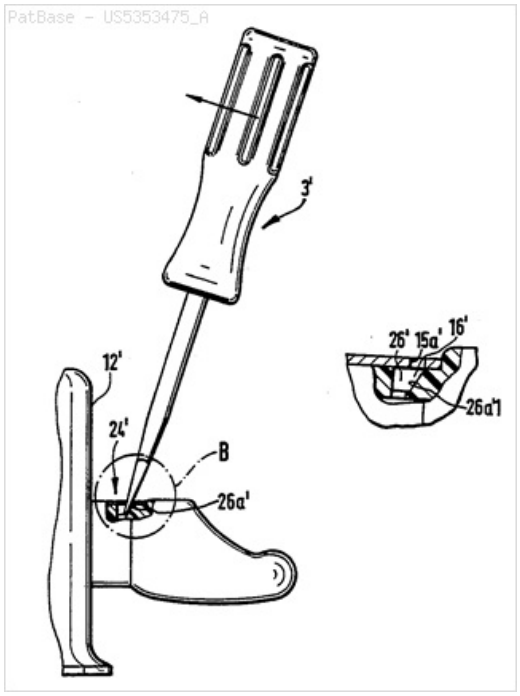
Patent	Date recorded	Event group	Code	Event	Details
FR2988055 A1	20130920	LSPB	+	published / reissued	
FR2988055 A1	20131227	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20131129

69) Family number: 17094624 (US5353475A)

Title: HANDLE ATTACHMENT FOR COOKING UTENSILS OR THE LIKE

Abstract: A handle can be attached on a cooking pot, frying pan or the like frictionally and possibly also form-lockingly without a separate connecting element, wherein the fastened handle can be released from the rigid anchoring element on the cooking utensil. Through suitable openings in the handle attachment, a separating tool can be moved between two surfaces of the two fastening pieces which surfaces face one another and, with the help of the separating tool, a jerk-free release of the handle takes place. A conventional screwdriver can be used as the separating tool.

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention); A47J45/00 (Core/Invention)
International (IPC 1-7): A47J A47J27/00 A47J45/00 A47J45/07
CPC: Y10S16/24 A47J45/07 Y10T29/49822 Y10T403/14
European: A47J45/07
US: 16/114A 16/DIG.24 220/759 29/426.5 403/6



Family:

Publication number	Publication date	Application number	Application date
DE59202354 D1	19950629	DE19925002354	19920903
DE9205573 U1	19920903	DE19920005573U	19920424
EP0566777 A1	19931027	EP19920115051	19920903
EP0566777 B1	19950524	EP19920115051	19920903
ES2072675 T3	19950716	ES19920115051T	19920903
JP6007259 A2	19940118	JP19930094195	19930421
KR100270424 B1	20001201	KR19930006358	19930415
KR930021139 A	19931122	KR19930006358	19930415
MX9302391 A1	19931130	MX19930002391	19930423
TR26956 A	19940912	TR19930000274	19930422
US5353475 A	19941011	US19920998432	19921230

Priority:
DE19920005573U 19920424 DE19929205573U 19920424 DE19925002354 19920903

Probable Assignee: BAUMGARTEN HEINRICH KG

Assignee(s): (std): BAUMGARTEN HEINRICH KG ; FOR BESCHLAGTEILE ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUR BESCHLAGT

Assignee(s): HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUER BESCHLAGTEILE 57290 NEUNKIRCHEN DE ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUER BESCHLAGTEILE 5908 NEUNKIRCHEN DE ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUER BESCHLAGTEILE ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUR BESCHLAGTEILE ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUR BESCHLAGTEIL ; HEINRICH BAUMGARTEN SPEZIALFABRIK FUR BESCHLAGTEILE KG ; HEINRICH BAUMGARTEN SPEZIALFABRIK FUR BESCHLAGTEIL KG ; HEINRICH BAUMGARTEN SPEZIALFABRIK F BESCHLAGTEILE KG ; HEINRICH BAUMGARTEN SPEZIALFABRIK KG ; HEINRICH BAUMGARTEN SPEZIALFABRIK F BESCHLAGTEILE 5908 NEUNKIRCHEN DE KG ; HEINRICH BAUMGARTEN SPEZIALFABRIK F BESCHLAGTEILE 57290 NEUNKIRCHEN DE KG ; HAINRIHI BAUMUGARUTEN KG SHIYUPETSUIAARUFUABURIIKU ; HAINRIHI BAUMUGARUTEN KG SHIYUPETSUIAARUFUABURIIKU FUR BESHIYURAAKUTAIRE ; HAINRIHI BAUMUGARUTEN SHIYUPETSUIAARUFUABURIIKU FUR BESHIYURAAKUTAIRE KG ; HEINRICH BAUMGARTEN KG ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK ; HEINRICH BAUMGARTEN SPEZIALFABRIK FUR BESCHLAGTEIL ; HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUER BESCHLAG

Inventor(s): (std): BOLPUKANG PSHIBAHA ; WOLFGANG FISCHBACH ; FISCHBACH WOLFGANG ; BUORUFUGANGU FUITSUSHIYUBATSUH

Inventor(s): BUORUFUGANGU FUITSUSHIYUBATSUHA ; FISCHBACH WOLFGANG W 5244 DAADEN DE

Designated states: DE ES FR GB GR IT PT

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE59202354 D1	19960620	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59202354 D1	20020926	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE9205573 U1	19920903	LSGT	+	granted / extensions (spc, cpc, pte)	
DE9205573 U1	20020424	PEXP		Calculated Patent Term Expiry	
EP0566777 A1	19931027	LSPB	+	published / reissued	
EP0566777 A1	19931222	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19931021
EP0566777 A1	19940119	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19931202
EP0566777 B1	19950524	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0566777 B1	19950716	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2072675 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0566777 B1	19960515	LSGT	+26N	NO OPPOSITION FILED	
EP0566777 B1	19970826	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 19970826 YEAR OF FEE PAYMENT : 6
EP0566777 B1	19970923	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 19970923 YEAR OF FEE PAYMENT : 6
EP0566777 B1	19970930	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 19970930 YEAR OF FEE PAYMENT : 6
EP0566777 B1	19970930	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19970930 YEAR OF FEE PAYMENT : 6
EP0566777 B1	19980903	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19980903
EP0566777 B1	19980904	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF THE APPLICANT RENOUNCES LAPSED DATE : 19980904
EP0566777 B1	19980930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19980930
EP0566777 B1	19990421	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19980903
EP0566777 B1	19990531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19990531

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EP0566777 B1	20000816	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20000816 YEAR OF FEE PAYMENT : 9
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EP0566777 B1	20001216	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20001102
EP0566777 B1	20020331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20020331
EP0566777 B1	20020501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20020501
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ES2072675 T3	19950716	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2072675 T3	19950716	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 566777 COUNTRY OF REF DOCUMENT : ES
ES2072675 T3	20120903	PEXP		Calculated Patent Term Expiry	
JP6007259 A2	19940118	LSPB	+	published / reissued	
KR100270424 B1	20001201	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100270424 B1	19980328	LSES	A201	REQUEST FOR EXAMINATION	
KR100270424 B1	19991029	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR100270424 B1	20000612	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR100270424 B1	20000801	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR100270424 B1	20030802	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR100270424 B1	20151201	PEXP		Calculated Patent Term Expiry	
KR930021139 A	19931122	LSPB	+	published / reissued	
MX9302391 A1	19931130	LSPB	+	published / reissued	
TR26956 A	19940912	LSGT	+	granted / extensions (spc, cpc, pte)	
TR26956 A	20130422	PEXP		Calculated Patent Term Expiry	

US5353475 A	19941011	LSGT	+	granted / extensions (spc, cpc, pte)	
US5353475 A	19921230	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEINRICH BAUMGARTEN KG SPEZIALFABRIK FUR BESCHLAGT OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:FISCHBACH, WOLFGANG; REEL/FRAME:006373/0827 EFFECTIVE DATE : 19921207
US5353475 A	19950307	LSRE	CC	CERTIFICATE OF CORRECTION	
US5353475 A	19980323	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5353475 A	20021011	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5353475 A	20021113	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5353475 A	20021113	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5353475 A	20021210	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20021011
US5353475 A	20121230	PEXP		Calculated Patent Term Expiry	

70) Family number: 30970628 (US2004120939A)

Title: BUTYRYLCHOLINESTERASE VARIANT POLYPEPTIDES WITH INCREASED CATALYTIC EFFICIENCY AND METHODS OF USE

Abstract: The invention provides a butyrylcholinesterase variant having increased cocaine hydrolysis activity as well as the corresponding encoding nucleic acid. The invention further provides methods of hydrolyzing a cocaine-based butyrylcholinesterase substrate as well as methods of treating a cocaine-induced condition with the invention variant.

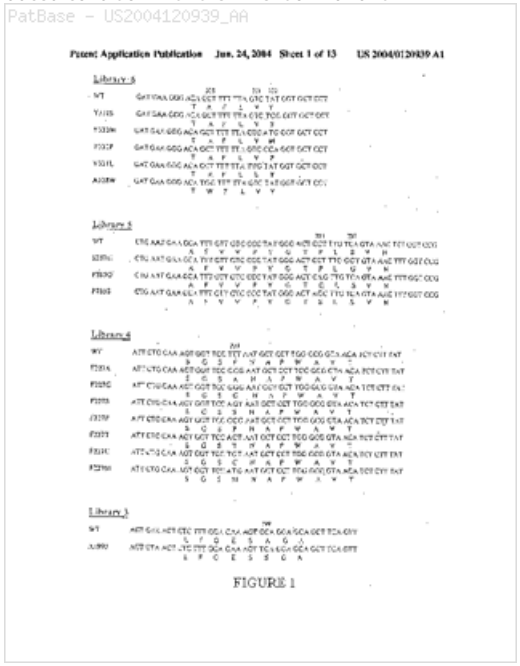


FIGURE 1

Classifications:

International (IPC 8-9): A01K67/027 A01N43/04 A61K31/00 A61K31/105 A61K31/70 A61K31/7052 A61K31/7088 A61K31/7105 A61K31/7115 A61K31/712 A61K31/713 A61K38/00 A61K38/46 A61K47/18 A61K47/22 A61K47/28 A61K47/34 A61K47/36 A61K47/42 A61K47/48 A61K47/54 A61K48/00 A61P1/04 A61P1/16 A61P11/00 A61P11/06 A61P13/08 A61P13/12 A61P17/02 A61P19/02 A61P25/00 A61P25/02 A61P25/14 A61P25/16 A61P25/28 A61P25/34 A61P29/00 A61P3/06 A61P3/10 A61P31/12 A61P31/14 A61P31/16 A61P31/18 A61P31/22 A61P33/00 A61P33/06 A61P35/00 A61P35/02 A61P37/06 A61P43/00 A61P7/02 A61P9/00 A61P9/08 A61P9/10 C07C233/00 C07D207/00 C07D473/14 C07F7/18 C07F9/24 C07F9/572 C07H15/00 C07H17/00 C07H17/02 C07H19/00 C07H19/02 C07H19/04 C07H19/044 C07H19/048 C07H19/052 C07H19/056 C07H19/067 C07H19/10 C07H19/14 C07H19/167 C07H19/207 C07H19/22 C07H19/23 C07H19/24 C07H21/00 C07H21/02 C07H21/04 C07H23/00 C07H5/06 C07H7/04 C07H7/06 C07K14/775 C12N1/00 C12N1/20 C12N15/00 C12N15/09 C12N15/11 C12N15/113 C12N15/52 C12N15/63 C12N15/82 C12N9/16 C12N9/18 C12P19/34 C12P21/06 C12Q1/68 (Advanced/Invention);
A61K31/70 A61K31/713 A61K38/00 A61K47/48 A61K47/54 A61L2/16 A61P35/00 C07K14/00 C07K14/155 C07K7/04 C07K7/06 C07K7/08 C12N15/09 C12N15/113 (Advanced/Non-invention);
A01K67/027 A01N43/02 A61K31/095 A61K31/7042 A61K31/7088 A61K31/7105 A61K31/7115 A61K31/713 A61K38/00 A61K47/22 A61K47/28 A61K47/34 A61K47/36 A61K47/42 A61K47/48 A61K48/00 A61P1/00 A61P11/00 A61P13/00 A61P17/00 A61P19/00 A61P25/00 A61P29/00 A61P3/00 A61P31/00 A61P33/00 A61P35/00 A61P37/00 A61P43/00 A61P7/00 A61P9/00 C07C233/00 C07D207/00 C07F7/00 C07H19/00 C07H21/00 C07H23/00 C07H7/00 C07K14/435 C12N1/00 C12N15/00 C12N15/09 C12N15/11 C12N15/113 C12N15/52 C12N15/63 C12N15/82 C12P19/00 C12Q1/68 (Core/Invention);
A61K38/00 C07K14/00 C07K7/00 C12N15/09 (Core/Non-invention);
A61K C07C C12N (Subclass/Invention)

International (IPC 1-7): A61K31/70 A61K31/7115 A61K38/46 A61K48/00 A61K6/00 C07D473/14 C07H19/00 C07H21/00 C07H21/02 C07H21/04 C12N1/00 C12N15/00 C12N15/82 C12N9/16 C12N9/18 C12Q1/68

CPC: A61K31/00 C07H7/04 C07H7/06 C07H19/02 C07H19/04 C07H19/044 C07H19/052 C07H19/056 C07H19/067 C07H19/14 C07H19/167 C07H19/22 C07H19/23 C07H19/24 C07H23/00 A61K38/00 C12Y301/01008 C12N2310/319 C12N2310/32 C12N2310/322 C12N2320/11 C12N2310/111 C12N2310/321 C12N2310/351 A01K67/0275 A01K2217/05 A01K2227/105 A01K2267/0362 C07K14/775 C12N2310/315 C12N2310/344 C12N2310/3515 C12N2310/533 C12N2320/32 C12N2320/53 C07H21/02 C12N15/111 C12N2310/14 C12N2310/323 C12N2320/51 C12N2310/11 C12N2330/30 C12N2310/3511 C12N9/18 C12Y301/01084 C12N15/1138 A61K31/713 C12N15/113 C12N15/1137 Y02A50/465 A61K47/55 A61K47/554

European: A01K67/027M A61K31/00 A61K47/48H4R C07H19/02 C07H19/04 C07H19/044 C07H19/052 C07H19/056 C07H19/067 C07H19/14 C07H19/167 C07H19/22 C07H19/23 C07H19/24 C07H21/02 C07H23/00 C07H7/04 C07H7/06 C07K14/775 C12N15/113 C12N15/11M C12N9/18 C12Y301/01008 K01K217/05 K01K227/10M K01K267/03K2 K61K38/00 M12N310/111 M12N310/14 M12N310/315 M12N310/319 M12N310/32 M12N310/321 M12N310/322 M12N310/323 M12N310/344 M12N310/351 M12N310/3515 M12N310/533 M12N320/11 M12N320/32 M12N320/51 M12N320/53

US: 1/1 424/94.6 424/94.600P 435/196 435/196S 435/197 435/197S 435/252.3 435/320 435/320.1 435/320.100S 435/325 435/325S 435/468 435/468S 435/6 435/6.11 435/6.110S 435/6.12 435/6.120P 435/6.13 435/6.130P 435/6.14 435/6.140P 435/6.16 435/6.160S 435/69.1 435/69.100S 435/6P 435/6S 514/25 514/44 514/44.00AP 514/44.00AS 514/44.00RP 514/44A 514/44R 514/81 536/17.2 536/17.3 536/18.7 536/22.1 536/23.1 536/23.100S 536/23.2 536/23.200S 536/24.1 536/24.100P 536/24.5 536/24.500P 536/24.500S 536/25.1 536/25.2 536/25.32 536/25.320S 536/27.1 536/27.100S 536/28.1 536/28.100S 536/4.1 536/6.1 536/6.100S 544/81

Family:

Publication number	Publication date	Application number	Application date
AT479752 E	20100915	AT20040718537T	20040308
AU2004220556 AA	20040923	AU20040220556	20040308
AU2004220556 BB	20090507	AU20040220556	20040308
AU2004227414 AA	20041021	AU20040227414	20040405
AU2004229519 AA	20041028	AU20040229519	20040409
AU2004229519 BB	20110721	AU20040229519	20040409
AU2004232964 AA	20041104	AU20040232964	20040416
AU2004232964 BB	20110922	AU20040232964	20040416
AU2004233092 AA	20041104	AU20040233092	20040416
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AU2009201569 AA	20090514	AU20090201569	20090423
AU2009201569 BB	20111117	AU20090201569	20090423
AU2009213011 AA	20091008	AU20090213011	20090907
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Priority:

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Probable Assignee: ALNYLAM PHARMACEUTICALS

Assignee(s): (std): ALNYLAM PHARMACEUTICALS ; ALNYLAM PHARMACEUTICALS INC ; APPLIED MOLECULAR EVOLUTION ; PANCOOK JAMES D ; MANOHARAN MUTHIAH ; BUMCROT DAVID ; ELBASHIR SAYDA ; HARBORTH JENS ; APPLIED MOLECULAR EVOLUTION INC ; KESAVAN VENKITASAMY ; RAJEEV KALLANTHOTTATHIL G ; RAJEEV KALLANTHOTTAHIL G ; WATKINS JEFFRY D ; LILLY CO ELI

Assignee(s): ELI LILLY AND COMPANY ; ELI LILLY AND CO ; ALNYLAM PHARMACEUTICALS INC CAMBRIDGE ; ALNYLAM PHARMACEUTICALS INC300 THIRD STREETCAMBRIDGEMA02142US

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Inventor(s): RAJEEV KALLANTHOTTATHIL WAYLAND ; MANOHARAN MUTHIAH CAMBRIDGE ; PANCOOK JAMES ; WATKINS JEFFRY ; RAJEEV KALLANTHOTTAHIL ; MANOHARAN MUTHIAHUS ; BUMCROT DAVIDUS ; HARBORTH JENS BOSTON ; MANOHARAN MUTHIAH WESTON ; ELBASHIR SAYDA CAMBRIDGE ; DAVID BUMCROT ; JENS HARBORTH ; SAYDA ELBASHIR

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GRIFFITH HACK; SMART AND BIGGAR; GOWLING LAFLEUR HENDERSON LLP; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; Lenhard Konstanze; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; KOJIMA KAZUAKI; MATSUTANI MICHIKO; TANAKA MITSUO; ONDA HIRONORI; ONDA MAKOTO; FISH AND RICHARDSON PC; ELI LILLY AND COMPANY; ELI LILLY AND CO; LOWRIE LANDO AND ANASTASI LLP A2038; NIXON PEABODY LLP; PAULA K; JEFFREY N; LECLAIRRYAN; COZEN O CONNOR; TOWNES JEFFREY N; MYERS LOUIS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT479752 E	20100915	LSGT	+	granted / extensions (spc, cpc, pte)	
AT479752 E	20110315	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT479752 E	20240308	PEXP		Calculated Patent Term Expiry	
AU2004220556 AA	20040923	LSPB	+	published / reissued	
AU2004220556 AA	20050929	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE APPLICANT FROM ALNYLAM PHARMACEUTICALS TO ALNYLAM PHARMACEUTICALS, INC.
AU2004220556 BB	20090507	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004220556 BB	20090903	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004220556 BB	20240308	PEXP		Calculated Patent Term Expiry	
AU2004227414 AA	20041021	LSPB	+	published / reissued	
AU2004227414 AA	20091029	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
AU2004229519 AA	20041028	LSPB	+	published / reissued	
AU2004229519 BB	20110721	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004229519 BB	20111117	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004229519 BB	20240409	PEXP		Calculated Patent Term Expiry	
AU2004232964 AA	20041104	LSPB	+	published / reissued	
AU2004232964 AA	20060309	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE APPLICANT FROM ALNYLAM PHARMACEUTICALS INC. TO ALNYLAM PHARMACEUTICALS, INC.
AU2004232964 BB	20110922	LSGT	+	granted / extensions	

				(spc, cpc, pte)	
AU2004232964 BB	20120119	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004232964 BB	20240416	PEXP		Calculated Patent Term Expiry	
AU2004233092 AA	20041104	LSPB	+	published / reissued	
AU2004233092 AA	20060316	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE APPLICANT FROM ALNYLAM PHARMACEUTICALS INC. TO ALNYLAM PHARMACEUTICALS, INC.
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AU2004233092 BB	20240416	PEXP		Calculated Patent Term Expiry	
AU2004233092 CA	20100114	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 26 AUG 2009
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AU2004233092 CA	20100318	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 FEB 2010.
AU2004233092 CA	20100617	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 24 MAR 2010.
AU2004233092 CA	20100805	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 08 FEB 2010
AU2004233092 CI	20101028	LSPB	SREP	SPECIFICATION REPUBLISHED	
AU2004233092 CI	20101111	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 24 MAR 2010
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AU2009201569 BB	20111117	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2009201569 BB	20111222	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ MANOHARAN, MUTHIAH; RAJEEV, KALLANTHOTTATHIL G.; BUMCROT, DAVID.
AU2009201569 BB	20120315	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2009201569 BB	20290423	PEXP		Calculated Patent Term Expiry	
AU2009213011 AA	20091008	LSPB	+	published / reissued	
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AU2012202250 BB	20150618	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2012202250 BB	20151015	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	

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AU2013205517 BB	20150716	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2013205517 BB	20151112	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2013205517 BB	20330412	PEXP		Calculated Patent Term Expiry	
AU2013205519 AA	20130516	LSPB	+	published / reissued	
AU2013205519 BB	20150716	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2013205519 BB	20151112	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2013205519 BB	20330412	PEXP		Calculated Patent Term Expiry	
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AU2015227490 AA	20170323	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
AU2017201200 AA	20170316	LSPB	+	published / reissued	
AU2017201200 AA	20180712	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
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CA2518475 AA	20050906	LSPB	+	published / reissued	
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DK2216407 T3	20160329	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1605978 A2	20051221	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20050929
EP1605978 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 13
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EP1605978 A4	20071017	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/11 20060101AFI20070910BHEP
EP1605978 A4	20080409	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20080310
EP1605978 A4	20100317	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20100205BHEP
EP1605978 A4	20100317	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/00 20060101ALI20100205BHEP
EP1605978 B1	20100901	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1605978 B1	20100901	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1605978 B1	20100915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1605978 B1	20100929	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1605978 B1	20101229	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20100901
EP1605978 B1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION

				INFORMATION FROM NATIONAL OFFICE TO EPO]	OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20101202
EP1605978 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110103
EP1605978 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901

EP1605978 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20101212
EP1605978 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20110810	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20110606
EP1605978 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20111006	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602004028915 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20110606
EP1605978 B1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110331
EP1605978 B1	20120104	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1605978 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110308
EP1605978 B1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110308
EP1605978 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100901
EP1605978 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20101201
EP1605978 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				EPO]	LAPSED DATE : 20100901
EP1605978 B1	20160328	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP1605978 B1	20170327	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
EP1605978 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP1605978 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP1605978 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP1605978 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 14
EP1605978 B1	20180326	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 15
EP1605978 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP1605978 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180327 YEAR OF FEE PAYMENT : 15
EP1605978 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180326 YEAR OF FEE PAYMENT : 15
EP1605978 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP1605978 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190325 YEAR OF FEE PAYMENT : 16
EP1605978 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 16
EP1605978 B1	20240308	PEXP		Calculated Patent Term Expiry	
EP1608735 A2	20051228	LSPB	+	published / reissued	
EP1608735 A2	20051228	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20041125
EP1608735 A2	20060517	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 48/00 20060101ALI20060328BHEP
EP1608735 A2	20060517	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/04 20060101AFI20060328BHEP
EP1608735 A4	20081105	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20081009

EP1608735 A4	20090729	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20090108
EP1615611 A2	20060118	LSPB	+	published / reissued	
EP1615611 A2	20060118	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20051103
EP1615611 A2	20070912	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/63 20060101ALI20070806BHEP
EP1615611 A2	20070912	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12P 19/34 20060101ALI20070806BHEP
EP1615611 A2	20070912	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A01N 43/04 20060101ALI20070806BHEP
EP1615611 A2	20070912	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12Q 1/68 20060101AFI20070806BHEP
EP1615611 A2	20070912	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/02 20060101ALI20070806BHEP
EP1615611 A2	20070912	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/04 20060101ALI20070806BHEP
EP1615611 A2	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 A2	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130524
EP1615611 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160427 YEAR OF FEE PAYMENT : 13
EP1615611 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160427

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 13
EP1615611 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160427 YEAR OF FEE PAYMENT : 13
EP1615611 A2	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160425 YEAR OF FEE PAYMENT : 13
EP1615611 A4	20081119	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20081021
EP1615611 A4	20081119	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/11 20060101AFI20081015BHEP
EP1615611 A4	20090422	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20090320
EP1615611 A4	20111116	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALN20111012BHEP
EP1615611 A4	20111116	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/713 20060101ALI20111012BHEP
EP1615611 A4	20111116	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20111012BHEP
EP1615611 A4	20120822	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20120716BHEP
EP1615611 A4	20120822	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/713 20060101ALI20120716BHEP
EP1615611 A4	20120822	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALN20120716BHEP
EP1615611 B1	20130213	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1615611 B1	20130213	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1615611 B1	20130215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 596522 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130215
EP1615611 B1	20130313	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1615611 B1	20130411	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602004040977 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130411
EP1615611 B1	20130715	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 596522 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130213
EP1615611 B1	20130717	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20130213

EP1615611 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130524
EP1615611 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130513
EP1615611 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130613
EP1615611 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130514
EP1615611 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131031	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : SK

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20131231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP1615611 B1	20140122	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20131114
EP1615611 B1	20140129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1615611 B1	20140220	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602004040977 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131114
EP1615611 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130409
EP1615611 B1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213

EP1615611 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20040409
EP1615611 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130409
EP1615611 B1	20160425	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP1615611 B1	20170426	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
EP1615611 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170427 YEAR OF FEE PAYMENT : 14
EP1615611 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170426 YEAR OF FEE PAYMENT : 14
EP1615611 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170427 YEAR OF FEE PAYMENT : 14
EP1615611 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170427 YEAR OF FEE PAYMENT : 14
EP1615611 B1	20180425	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 15
EP1615611 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180427 YEAR OF FEE PAYMENT : 15
EP1615611 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180502 YEAR OF FEE PAYMENT : 15
EP1615611 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180425 YEAR OF FEE PAYMENT : 15
EP1615611 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180427 YEAR OF FEE PAYMENT : 15
EP1615611 B1	20240409	PEXP		Calculated Patent Term Expiry	
EP1620544 A2	20060201	LSPB	+	published / reissued	
EP1620544 A2	20060201	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20051117
EP1620544 A2	20080123	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/70 20060101AFI20071218BHEP
EP1620544 A2	20080123	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/04 20060101ALI20071218BHEP
EP1620544 A4	20110302	LSES	+A4	SUPPLEMENTARY	EFFECTIVE DATE : 20110127

				SEARCH REPORT DRAWN UP AND DESPATCHED	
EP1620544 A4	20110803	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20110706
EP1620544 A4	20180425	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180403
EP1620544 A4	20180425	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/04 20060101ALI20180319BHEP
EP1620544 A4	20180425	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 47/54 20170101ALN20180319BHEP
EP1620544 A4	20180425	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20180319BHEP
EP1620544 A4	20180425	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/713 20060101ALI20180319BHEP
EP1620544 B1	20180919	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1620544 B1	20180919	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1620544 B1	20180928	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1620544 B1	20181015	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1043301 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20181015
EP1620544 B1	20181017	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1620544 B1	20181018	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602004053202 COUNTRY OF REF DOCUMENT : DE
EP1620544 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181220
EP1620544 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181219
EP1620544 B1	20190306	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2702942 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20190306
EP1620544 B1	20190315	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 1043301 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180919
EP1620544 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180919
EP1620544 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180919
EP1620544 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180919
EP1620544 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180919
EP1620544 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180919
EP1620544 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190119
EP1620544 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180919
EP1620544 B1	20190628	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20190426 YEAR OF FEE PAYMENT : 16
EP1620544 B1	20240416	PEXP		Calculated Patent Term Expiry	
EP1622638 A2	20060208	LSPB	+	published / reissued	
EP1622638 A2	20060308	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20060109
EP1622638 A4	20070822	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20070724
EP1622638 A4	20070822	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/18 20060101AFI20070718BHEP
EP1622638 A4	20070822	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/46 20060101ALI20070718BHEP
EP1622638 A4	20070822	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/52 20060101ALI20070718BHEP
EP1622638 A4	20071226	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20071127
EP1622638 A4	20081210	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20080610

EP1625138 A2	20060215	LSPB	+	published / reissued	
EP1625138 A2	20060215	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20051117
EP1625138 A2	20100623	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20100526
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/04 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/11 20060101AFI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/02 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 207/00 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07C 233/00 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/00 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/24 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/23 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 7/04 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 23/00 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/14 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/167 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/067 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/22 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 7/06 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/052 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/044 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/02 20060101ALI20100517BHEP
EP1625138 A2	20100623	LSRE	RIC1	INFORMATION PROVIDED ON IPC	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H

				CODE ASSIGNED BEFORE GRANT	19/056 20060101ALI20100517BHEP
EP1625138 A2	20101103	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20101001
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/00 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/24 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/02 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/22 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/02 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 207/00 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07C 233/00 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 7/04 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/167 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/14 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/23 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/067 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/044 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/04 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 7/06 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/11 20060101AFI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 23/00 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/052 20060101ALI20160802BHEP
EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 19/056 20060101ALI20160802BHEP

EP1625138 A2	20160907	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/00 20060101ALI20160802BHEP
EP1625138 A2	20161005	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160907
EP1625138 A2	20170719	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20170118
EP2216407 A2	20100811	LSPB	+	published / reissued	
EP2216407 A2	20100825	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20100625BHEP
EP2216407 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160326 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160329 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160329 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160325 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160325 YEAR OF FEE PAYMENT : 13
EP2216407 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 13
EP2216407 A3	20110330	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110217
EP2216407 A3	20120328	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20120222
EP2216407 A3	20150826	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20150730
EP2216407 A3	20151230	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC.
EP2216407 B1	20160113	LSGT	+	granted / extensions (spc, cpc, pte)	

EP2216407 B1	20160113	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2216407 B1	20160115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2216407 B1	20160210	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2216407 B1	20160215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 770550 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160215
EP2216407 B1	20160303	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602004048527 COUNTRY OF REF DOCUMENT : DE
EP2216407 B1	20160328	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP2216407 B1	20160615	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 770550 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160113
EP2216407 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160414
EP2216407 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160331
EP2216407 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT LAPSED DATE : 20160513
EP2216407 B1	20161014	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602004048527 COUNTRY OF REF DOCUMENT : DE
EP2216407 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20161221	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20161014
EP2216407 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160413
EP2216407 B1	20170327	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170222 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO	COUNTRY OF REF DOCUMENT : SE

				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170326 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170328 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 14
EP2216407 B1	20180326	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20180326 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20180327 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180326 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180327 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20040308
EP2216407 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180326 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20180222 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160113
EP2216407 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 15
EP2216407 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190325 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20190221 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20190326 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20190326 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 16
EP2216407 B1	20240308	PEXP		Calculated Patent Term Expiry	

EP2239329 A1	20101013	LSPB	+	published / reissued	
EP2239329 A1	20110518	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110407
EP2239329 A1	20120328	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20120228
EP2660322 A2	20131106	LSPB	+	published / reissued	
EP2660322 A3	20131113	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20131009BHEP
EP2660322 A3	20131113	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/04 20060101ALI20131009BHEP
EP2660322 A3	20131113	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/713 20060101ALN20131009BHEP
EP2660322 A3	20140618	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140508
EP2660322 A3	20160518	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20160419
EP2664672 A1	20131120	LSPB	+	published / reissued	
EP2664672 A1	20140611	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140424
EP2664672 A1	20160518	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20160413
EP2666858 A1	20131127	LSPB	+	published / reissued	
EP2666858 A1	20140702	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140522
EP2666858 A1	20160518	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20160415
EP2669377 A2	20131204	LSPB	+	published / reissued	
EP2669377 A3	20151014	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 47/48 20060101ALN20150907BHEP
EP2669377 A3	20151014	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101AFI20150907BHEP
EP2669377 A3	20151014	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07H 21/02 20060101ALI20150907BHEP
EP2669377 A3	20160518	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160407
EP2669377 A3	20171213	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20171108
EP3450559 A1	20190306	LSPB	+	published / reissued	
ES2702942 T3	20190306	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2702942 T3	20240416	PEXP		Calculated Patent Term Expiry	
JP2006522158 T2	20060928	LSPB	+	published / reissued	
JP2006522611 T2	20061005	LSPB	+	published / reissued	
JP2006522611 T2	20070407	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20070406
JP2006522611 T2	20070407	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20070406
JP2006522611 T2	20100331	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100330

JP2006522611 T2	20101208	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20101207
JP2006522831 T2	20061005	LSPB	+	published / reissued	
JP2006522831 T2	20070405	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20070404
JP2006522831 T2	20070405	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20070404
JP2006522831 T2	20100825	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100824
JP2006522831 T2	20100827	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20070404
JP2006522831 T2	20101125	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	TEXT : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20101124
JP2006522831 T2	20101222	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20101221
JP2006522831 T2	20110422	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110421
JP2006522831 T2	20110520	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110427
JP2006522831 T2	20110526	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20110525
JP2006522831 T2	20110706	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110705
JP2006522831 T2	20111126	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20111125
JP2006522831 T2	20111213	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2006522831 T2	20111221	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20111220
JP2006522831 T2	20111222	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2006522831 T2	20120126	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120118
JP2006522831 T2	20120127	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2006522831 T2	20120130	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2007525453 T2	20070906	LSPB	+	published / reissued	
JP2007525453 T2	20100428	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100427

JP2007525453 T2	20100928	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100927
JP2007525453 T2	20110803	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110802
JP2007525453 T2	20120203	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120202
JP2007525453 T2	20120417	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007525453 T2	20120425	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20120424
JP2007525453 T2	20120426	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2007525453 T2	20120510	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120507
JP2007525453 T2	20120511	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2007525453 T2	20120514	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2007525454 T2	20070906	LSPB	+	published / reissued	
JP2007525454 T2	20100223	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100222
JP2007525454 T2	20100414	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100413
JP2007525454 T2	20100522	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100521
JP2007525454 T2	20100818	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007525454 T2	20100825	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20100824
JP2007525454 T2	20100826	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2007525454 T2	20100930	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20100922
JP2007525454 T2	20101001	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2007525454 T2	20101004	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2011201887 A2	20111013	LSPB	+	published / reissued	
JP2011201887 A2	20120420	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120419

JP2011201887 A2	20130313	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130312
JP2011201887 A2	20130912	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130911
JP2011201887 A2	20131023	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20131022
JP2011201887 A2	20140315	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140226
JP2011201887 A2	20151104	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151104
JP2011201887 A2	20160212	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160203
JP2011201887 A2	20160212	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5881970 COUNTRY OF REF DOCUMENT : JP
JP2013256531 A2	20131226	LSPB	+	published / reissued	
JP2013256531 A2	20141015	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20141014
JP2013256531 A2	20150408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150408
JP2013256531 A2	20150617	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20150616
JP2013256531 A2	20151016	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151016
JP2013256531 A2	20151106	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20151020
JP2013256531 A2	20151113	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20151112
JP2013256531 A2	20151209	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013256531 A2	20151216	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20151215
JP2013256531 A2	20160104	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20151225
JP2013256531 A2	20160108	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5865319 COUNTRY OF REF DOCUMENT : JP
JP2016033136 A2	20160310	LSPB	+	published / reissued	
JP2016033136 A2	20160816	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160816
JP2016033136 A2	20170307	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20170307
JP4597976 B2	20101215	LSGT	+	granted / extensions	

				(spc, cpc, pte)	
JP4597976 B2	20100928	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20130926	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20131001	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4597976 B2	20141002	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20141007	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4597976 B2	20151001	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20151006	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4597976 B2	20160929	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20161004	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4597976 B2	20170928	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20171003	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4597976 B2	20180927	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4597976 B2	20181002	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4597976 B2	20240416	PEXP		Calculated Patent Term Expiry	
JP4912873 B2	20120411	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4912873 B2	20111222	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP4912873 B2	20120124	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4912873 B2	20120127	LSGT	+R150	特許証 (Patent certificate)	
JP4912873 B2	20150115	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4912873 B2	20150120	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4912873 B2	20160114	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4912873 B2	20160119	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4912873 B2	20170112	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4912873 B2	20170117	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4912873 B2	20180118	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4912873 B2	20180123	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4912873 B2	20190117	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4912873 B2	20190122	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4912873 B2	20240409	PEXP		Calculated Patent Term Expiry	
JP4991288 B2	20120801	LSGT	+	granted / extensions (spc, cpc, pte)	

JP4991288 B2	20120508	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4991288 B2	20150430	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4991288 B2	20150512	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4991288 B2	20160428	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4991288 B2	20160510	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4991288 B2	20170427	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4991288 B2	20170509	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4991288 B2	20180426	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4991288 B2	20180508	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4991288 B2	20190425	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4991288 B2	20190507	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4991288 B2	20240416	PEXP		Calculated Patent Term Expiry	
JP5865319 B2	20160217	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5865319 B2	20131012	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20131011
JP5865319 B2	20131012	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20131011
JP5865319 B2	20151217	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5865319 B2	20151228	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5865319 B2	20160108	LSGT	+R150	特許証 (Patent certificate)	
JP5865319 B2	20181227	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5865319 B2	20190108	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5865319 B2	20330911	PEXP		Calculated Patent Term Expiry	
JP5881970 B2	20160309	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5881970 B2	20160107	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5881970 B2	20160209	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5881970 B2	20160212	LSGT	+R150	特許証 (Patent certificate)	
JP5881970 B2	20190124	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5881970 B2	20190129	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5881970 B2	20310421	PEXP		Calculated Patent Term Expiry	
US10119138 BB	20181106	LSGT	+	granted / extensions (spc, cpc, pte)	
US10119138 BB	20181017	LSGT	PAT1	Patented Case	
US10119138 BB	20360909	PEXP		Calculated Patent	

				Term Expiry (a terminal disclaimer has been filed)	
US10273477 BB	20190430	LSGT	+	granted / extensions (spc, cpc, pte)	
US10273477 BB	20190410	LSGT	PAT1	Patented Case	
US10273477 BB	20370614	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US2004120939 AA	20040624	LSPB	+	published / reissued	
US2004121970 AA	20040624	LSPB	+	published / reissued	
US2005107325 AA	20050519	LSPB	+	published / reissued	
US2005107325 AA	20100609	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005119214 AA	20050602	LSPB	+	published / reissued	
US2005119214 AA	20050113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANOHARAN, MUTHIAH; RAJEEV, KALLANTHOTTATHIL G.; REEL/FRAME:015594/0731 EFFECTIVE DATE : 20041129
US2005119214 AA	20070404	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005153337 AA	20050714	LSPB	+	published / reissued	
US2005153337 AA	20050310	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MANOHARAN, MUTHIAH; REEL/FRAME:015871/0068 EFFECTIVE DATE : 20050131
US2005153337 AA	20070820	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005164235 AA	20050728	LSPB	+	published / reissued	
US2005164235 AA	20050103	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANOHARAN, MUTHIAH; RAJEEV, KALLANTHOTTATHIL G.; REEL/FRAME:015516/0248 EFFECTIVE DATE : 20041216
US2005164235 AA	20100324	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005233342 AA	20051020	LSPB	+	published / reissued	
US2005233342 AA	20040917	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANOHARAN, MUTHIAH; RAJEEV, KALLANTHOTTATHIL G.; REEL/FRAME:015146/0600; SIGNING DATES FROM 20040831 TO 20040901
US2005233342 AA	20120517	LSWD	-ABD1	Abandoned -- After Examiner's Answer or Board of Appeals Decision	
US2005256069 AA	20051117	LSPB	+	published / reissued	
US2005256069 AA	20100505	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2006263345 AA	20061123	LSPB	+	published / reissued	
US2006263345 AA	20071015	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007179100 AA	20070802	LSPB	+	published / reissued	
US2007179100 AA	20060414	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MANOHARAN, MUTHIAH; REEL/FRAME:017485/0418 EFFECTIVE DATE : 20060404
US2007179100 AA	20090206	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007275914 AA	20071129	LSPB	+	published / reissued	
US2007275914 AA	20120118	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2008108801 AA	20080508	LSPB	+	published / reissued	
US2008108801 AA	20101123	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010076056 AA	20100325	LSPB	+	published / reissued	
US2010076056 AA	20110824	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010179309 AA	20100715	LSPB	+	published / reissued	
US2010179309 AA	20121212	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010240881 AA	20100923	LSPB	+	published / reissued	
US2010240881 AA	20140528	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010267941 AA	20101021	LSPB	+	published / reissued	
US2010267941 AA	20130403	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010292455 AA	20101118	LSPB	+	published / reissued	
US2010292455 AA	20130724	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011054160 AA	20110303	LSPB	+	published / reissued	
US2011054160 AA	20130501	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011201798 AA	20110818	LSPB	+	published / reissued	
US2011201798 AA	20130327	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013144048 AA	20130606	LSPB	+	published / reissued	
US2013144048 AA	20140730	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013211063 AA	20130815	LSPB	+	published / reissued	
US2013211063 AA	20140716	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013281685 AA	20131024	LSPB	+	published / reissued	
US2013281685 AA	20141001	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2014309411 AA	20141016	LSPB	+	published / reissued	
US2014309411 AA	20151209	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2014316124 AA	20141023	LSPB	+	published / reissued	
US2014316124 AA	20160629	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015073133 AA	20150312	LSPB	+	published / reissued	
US2015073133 AA	20161005	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016076040 AA	20160317	LSPB	+	published / reissued	
US2016076040 AA	20170508	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016076040 AA	20170609	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016076040 AA	20170612	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016076040 AA	20170628	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016264968 AA	20160915	LSPB	+	published / reissued	
US2016264968 AA	20170526	LSES	NFA1	Non Final Action Mailed	
US2016264968 AA	20180601	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016376591 AA	20161229	LSPB	+	published / reissued	
US2016376591 AA	20170606	LSES	NFA1	Non Final Action Mailed	
US2016376591 AA	20171128	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016376591 AA	20171130	LSES	NFA1	Non Final Action Mailed	
US2016376591 AA	20180322	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2016376591 AA	20180330	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016376591 AA	20180406	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016376591 AA	20180406	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016376591 AA	20180703	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016376591 AA	20180705	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016376591 AA	20181017	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017283801 AA	20171005	LSPB	+	published / reissued	
US2017283801 AA	20180621	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017283801 AA	20180625	LSES	NFA1	Non Final Action Mailed	
US2017283801 AA	20181204	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017283801 AA	20190307	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017283801 AA	20190410	LSGT	STCF	INFORMATION ON STATUS: PATENT	TEXT : PATENTED CASE

				GRANT	
US2018258427 AA	20180913	LSPB	+	published / reissued	
US2018327744 AA	20181115	LSPB	+	published / reissued	
US6989261 BB	20060124	LSGT	+	granted / extensions (spc, cpc, pte)	
US6989261 BB	20031202	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : APPLIED MOLECULAR EVOLUTION, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WATKINS, JEFFRY D.; PANCOOK, JAMES D.; REEL/FRAME:014171/0067 EFFECTIVE DATE : 20031201
US6989261 BB	20100124	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6989261 BB	20100222	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6989261 BB	20100222	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6989261 BB	20100316	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20100124
US6989261 BB	20231018	PEXP		Calculated Patent Term Expiry (PTA 190 days)	
US7049121 BB	20060523	LSGT	+	granted / extensions (spc, cpc, pte)	
US7049121 BB	20031003	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : APPLIED MOLECULAR EVOLUTION, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WATKINS, JEFFREY D.; PANCOOK, JAMES D.; REEL/FRAME:014025/0504; SIGNING DATES FROM 20021002 TO 20031003
US7049121 BB	20100523	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7049121 BB	20100621	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7049121 BB	20100621	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7049121 BB	20100713	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20100523
US7049121 BB	20240302	PEXP		Calculated Patent Term Expiry (PTA 438 days)	
US7723509 BB	20100525	LSGT	+	granted / extensions (spc, cpc, pte)	
US7723509 BB	20050218	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANOHARAN, MUTHIAH; RAJEEV, KALLANTHOTTATHIL G.; REEL/FRAME:015741/0994 EFFECTIVE DATE : 20050131
US7723509 BB	20050218	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC.,MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNORS:MANOHARAN, MUTHIAH; RAJEEV, KALLANTHOTTATHIL G.; REEL/FRAME:015741/0994 EFFECTIVE DATE : 20050131
US7723509 BB	20100505	LSGT	PAT1	Patented Case	
US7723509 BB	20131125	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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US7745608 BB	20041027	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ALNYLAM PHARMACEUTICALS, INC.,MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANOHARAN, MUTHIAH; KESAVAN, VENKITASAMY; RAJEEV, KALLANTHOTTATHIL G.; SIGNING DATES FROM 20041006 TO 20041007; REEL/FRAME:015296/0454
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71) Family number: 31485649 (US2005058689A)

Title: ANTIFUNGAL PAINTS AND COATINGS

Abstract: Antifungal and antibacterial peptides, polypeptides and proteins as antifungal additives for paint and other coatings are disclosed, along with antifungal compositions, and coated surfaces with antifungal properties. Methods of using the coatings for treating and/or inhibiting growth of mold, mildew and other fungi and bacteria on objects such as building materials that are susceptible to such infestation are also disclosed.


PatBase - WO05007758_A2

WO 2005007758 PCT/US2004021711

SEQUENCE LISTING

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<150> 60/485,234
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Classifications:

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A01N C09D (Subclass/Invention)

International (IPC 1-7): A61K38/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16

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Family:

Publication number	Publication date	Application number	Application date
AU2004257205 AA	20050127	AU20040257205	20040706
AU2004257205 BB	20101216	AU20040257205	20040706
AU2011201077 AA	20110407	AU20110201077	20110310
EP1644452 A2	20060412	EP20040756724	20040706
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HK1083693 A1	20060707	HK20060104810	20060421
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Priority:

US20020409102P 20020909	US20030485234P 20030703	US20030655345 20030904
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US20130093347 20131129	US20130097128 20131204	US20140156007 20140115

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2004257205 AA	20050127	LSPB	+	published / reissued	
AU2004257205 BB	20101216	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004257205 BB	20110414	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD	

				PATENT)	
AU2004257205 BB	20150129	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2004257205 BB	20240706	PEXP		Calculated Patent Term Expiry	
AU2011201077 AA	20110407	LSPB	+	published / reissued	
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HK1083693 A3	20060707	LSPB	+	published / reissued	
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HK1156652 A1	20120615	LSPB	+	published / reissued	
HK1156652 A3	20120615	LSPB	+	published / reissued	
IL173658 A1	20120430	LSPB	+	published / reissued	
IL173658 A1	20120830	LSGT	+FF	PATENT GRANTED	
IL173658 A1	20121031	LSFE	+KB	PATENT RENEWED	
IL173658 A1	20150129	LSLE	-MM9K	PATENT NOT IN FORCE DUE TO NON-PAYMENT OF RENEWAL FEES	
IL218129 A1	20130930	LSPB	+	published / reissued	
IL218129 A1	20140130	LSGT	+FF	PATENT GRANTED	
IL218129 A1	20141231	LSLE	-MM9K	PATENT NOT IN FORCE DUE TO NON-PAYMENT OF RENEWAL FEES	
SG179021 A1	20120427	LSPB	+	published / reissued	
US2005058689 AA	20050317	LSPB	+	published / reissued	
US2005058689 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025496/0945 EFFECTIVE DATE : 20101213
US2005058689 AA	20111119	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2006141003 AA	20060629	LSPB	+	published / reissued	
US2006141003 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025490/0671 EFFECTIVE DATE : 20101213
US2006141003 AA	20110718	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

US2009308277 AA	20091217	LSPB	+	published / reissued	
US2009308277 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025495/0026 EFFECTIVE DATE : 20101213
US2009308277 AA	20110801	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009308278 AA	20091217	LSPB	+	published / reissued	
US2009308278 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025491/0669 EFFECTIVE DATE : 20101213
US2009308278 AA	20111003	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009312232 AA	20091217	LSPB	+	published / reissued	
US2009312232 AA	20101210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD., LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025489/0849 EFFECTIVE DATE : 20101210
US2009312232 AA	20110420	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2009312233 AA	20091217	LSPB	+	published / reissued	
US2009312233 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025494/0005 EFFECTIVE DATE : 20101213
US2009312233 AA	20111119	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009312234 AA	20091217	LSPB	+	published / reissued	
US2009312234 AA	20101210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025471/0990 EFFECTIVE DATE : 20101210
US2009312234 AA	20110406	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2009312261 AA	20091217	LSPB	+	published / reissued	
US2009312261 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025491/0102 EFFECTIVE DATE : 20101213

US2009312261 AA	20111003	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009312267 AA	20091217	LSPB	+	published / reissued	
US2009312267 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025494/0641 EFFECTIVE DATE : 20101213
US2009312267 AA	20110801	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
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US2009312268 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025496/0850 EFFECTIVE DATE : 20101213
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US2009312269 AA	20091217	LSPB	+	published / reissued	
US2009312269 AA	20101214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD. LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:025521/0205 EFFECTIVE DATE : 20101213
US2009312269 AA	20111003	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2010210745 AA	20100819	LSPB	+	published / reissued	
US2010210745 AA	20100430	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MCDANIEL, C. STEVEN; WALES, MELINDA E.; RAWLINS, JAMES; AND OTHERS; REEL/FRAME:024318/0618 EFFECTIVE DATE : 20100427
US2010210745 AA	20140113	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2010233146 AA	20100916	LSPB	+	published / reissued	
US2010233146 AA	20090720	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:022975/0502 EFFECTIVE DATE : 20090625
US2010233146 AA	20130718	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011070376 AA	20110324	LSPB	+	published / reissued	
US2011070376 AA	20101129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : REACTIVE SURFACES, LTD., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WALES, MELINDA; MCDANIEL, C. STEVEN; SIGNING DATES FROM 20101101 TO 20101108; REEL/FRAME:025426/0478
US2011070376 AA	20140110	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
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US2011219982 AA	20130710	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011224131 AA	20110915	LSPB	+	published / reissued	
US2011224131 AA	20130826	LSWD	-ABD2	Abandoned -- Failure to Pay Issue Fee	
US2011240064 AA	20111006	LSPB	+	published / reissued	
US2011240064 AA	20111028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WALES, MELINDA; MCDANIEL, C. STEVEN; REEL/FRAME:027142/0675 EFFECTIVE DATE : 20111027
US2011240064 AA	20140210	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011250626 AA	20111013	LSPB	+	published / reissued	
US2011250626 AA	20111028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BRAASCH, DWAINE; MCDANIEL, C. STEVEN; RAWLINS, JAMES W.; AND OTHERS; SIGNING DATES FROM 20111024 TO 20111027; REEL/FRAME:027142/0758
US2011250626 AA	20140416	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011269672 AA	20111103	LSPB	+	published / reissued	
US2011269672 AA	20131202	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011319320 AA	20111229	LSPB	+	published / reissued	
US2011319320 AA	20130312	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012010128 AA	20120112	LSPB	+	published / reissued	
US2012010128 AA	20120907	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012010129 AA	20120112	LSPB	+	published / reissued	
US2012010129 AA	20130405	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012017802 AA	20120126	LSPB	+	published / reissued	

US2012017802 AA	20120921	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012024191 AA	20120202	LSPB	+	published / reissued	
US2012024191 AA	20130312	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012028884 AA	20120202	LSPB	+	published / reissued	
US2012028884 AA	20121005	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012028885 AA	20120202	LSPB	+	published / reissued	
US2012028885 AA	20121010	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012028886 AA	20120202	LSPB	+	published / reissued	
US2012028886 AA	20121019	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012097194 AA	20120426	LSPB	+	published / reissued	
US2012097194 AA	20110411	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD, LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MCDANIEL, C. STEVEN; WILLIAMS, ERIC B.; WALES, MELINDA; AND OTHERS; SIGNING DATES FROM 20110217 TO 20110222; REEL/FRAME:026103/0437
US2012097194 AA	20140113	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014083324 AA	20140327	LSPB	+	published / reissued	
US2014083324 AA	20171101	LSES	NFA1	Non Final Action Mailed	
US2014083324 AA	20181217	LSES	NFA1	Non Final Action Mailed	
US2014196631 AA	20140717	LSPB	+	published / reissued	
US2014196631 AA	20180427	LSES	NFA1	Non Final Action Mailed	
US2014196631 AA	20190620	LSES	NFA1	Non Final Action Mailed	
US2015191607 AA	20150709	LSPB	+	published / reissued	
US2015191607 AA	20151030	LSES	NFA1	Non Final Action Mailed	
US2015191607 AA	20170222	LSES	NFA1	Non Final Action Mailed	
US2015191607 AA	20180619	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US7932230 BB	20110426	LSGT	+	granted / extensions (spc, cpc, pte)	
US7932230 BB	20110406	LSGT	PAT1	Patented Case	
US7932230 BB	20141027	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7932230 BB	20181026	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7932230 BB	20290818	PEXP		Calculated Patent	

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US7939500 BB	20110510	LSGT	+	granted / extensions (spc, cpc, pte)	
US7939500 BB	20110420	LSGT	PAT1	Patented Case	
US7939500 BB	20141110	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7939500 BB	20181114	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : 7.5 YR SURCHARGE - LATE PMT W/IN 6 MO, SMALL ENTITY (ORIGINAL EVENT CODE: M2555); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7939500 BB	20181114	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7939500 BB	20290818	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US8497248 BB	20130730	LSGT	+	granted / extensions (spc, cpc, pte)	
US8497248 BB	20130710	LSGT	PAT1	Patented Case	
US8497248 BB	20170725	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8497248 BB	20310419	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US8618066 BA	20131231	LSGT	+	granted / extensions (spc, cpc, pte)	
US8618066 BA	20120904	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REACTIVE SURFACES, LTD., LLP, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MCDANIEL, C. STEVEN; REEL/FRAME:028894/0215 EFFECTIVE DATE : 20120827
US8618066 BA	20131211	LSGT	PAT1	Patented Case	
US8618066 BA	20131211	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8618066 BA	20180101	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : SURCHARGE FOR LATE PAYMENT, SMALL ENTITY (ORIGINAL EVENT CODE: M2554)
US8618066 BA	20180101	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8618066 BA	20310621	PEXP		Calculated Patent Term Expiry (PTA 1359 days and a terminal disclaimer has been filed)	
WO05007758 A2	20050127	LSPB	+	published / reissued	
WO05007758 A2	20060201	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004257205 COUNTRY OF REF DOCUMENT : AU
WO05007758 A2	20060201	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004756724 COUNTRY OF REF DOCUMENT : EP
WO05007758 A2	20060209	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 173658 COUNTRY OF REF DOCUMENT : IL
WO05007758 A2	20060223	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2004257205 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20040706 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

WO05007758 A2	20060223	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2004257205 COUNTRY OF REF DOCUMENT : AU
WO05007758 A2	20060412	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2004756724 COUNTRY OF REF DOCUMENT : EP
WO05007758 A2	20120215	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 218128 COUNTRY OF REF DOCUMENT : IL
WO05007758 A2	20120215	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 218129 COUNTRY OF REF DOCUMENT : IL
WO11034931 A2	20110324	LSPB	+	published / reissued	
WO11034931 A3	20120315	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11034931 A3	20121010	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 10817766 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

72) Family number: 55877651 (EP2700758B1)

Title: TUB HANDLE WITH INTEGRAL OVERFLOW AND OUT- AND OVERFLOW FITTING WITH SUCH A TUB HANDLE POIGNEE DE BAIGNOIRE DOTEE D'UN TROP-PLEIN INTEGRE ET DISPOSITIF D'ECOULEMENT ET DE TROP-PLEIN DOTE

Abstract: Source: EP2700758A3 [DE] Haltegriff (1) fuer Badewannen mit mindestens zwei voneinander beabstandeten Halterungen (2.1, 2.2), mittels denen er an mindestens zwei voneinander beabstandeten Durchgangsloechern einer Badewanne (3) festlegbar ist. Der beschriebene Haltegriff (Wannengriff) ist dadurch gekennzeichnet, dass mindestens eine (2.1) der Halterungen als ueberlaufkanal ausgebildet und mit einem am Durchgangsloch wannenaussenseitig zu installierenden ueberlaufkoerper (7) verbindbar ist. Der Haltegriff (1) erfordert fuer seine Montage gegenueber herkoemmlichen Wannengriffen einen geringeren Arbeitsaufwand. Der erforderliche Bauraum fuer einen Wannengriff und einen Wannenueberlauf ist bei dem beschriebnen Haltegriff (1) minimiert. Vorzugsweise ist der Haltegriff (1) mit mindestens einem Betaetigungselement (9.5) zum oeffnen und Schliessen eines Ablaufventils der Badewanne versehen. Alternativ oder zusaetzlich kann in dem Haltegriff (1) ein Wasserzulauf integriert sein.

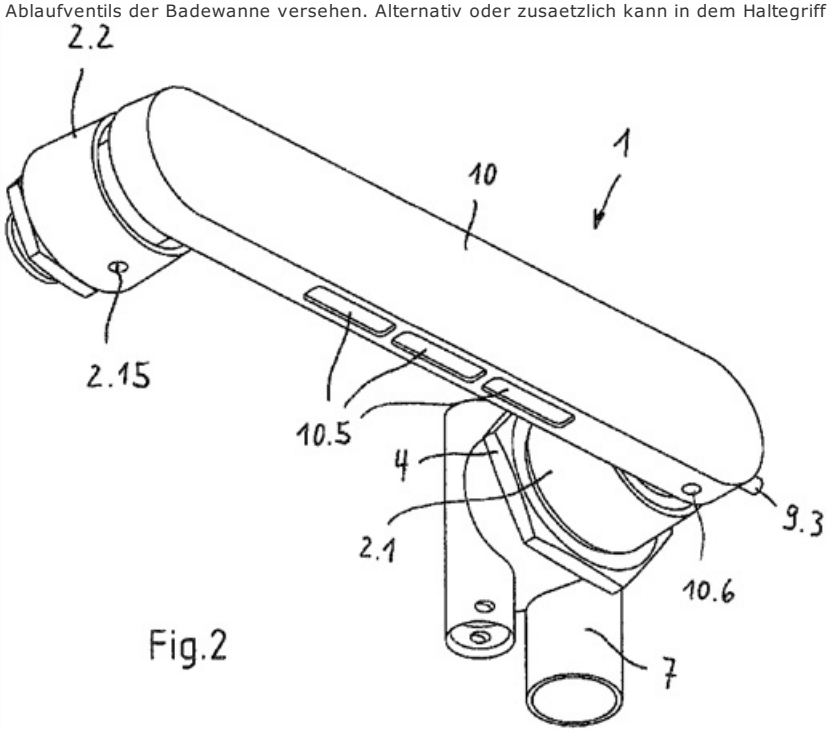


Fig.2

Classifications:
International (IPC 8-9): A47K3/00 E03C1/24 (Advanced/Invention)
CPC: A47K3/003 E03C1/24 E03C1/0404

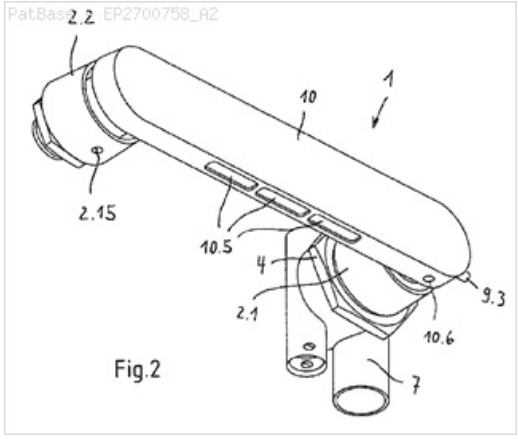


Fig.2

Family:

Publication number	Publication date	Application number	Application date
DE102012107783 A1	20140227	DE201210107783	20120823
DE102012107783 B4	20150806	DE201210107783	20120823
DE502013010714 D1	20180830	DE201350010714T	20130816
EP2700758 A2	20140226	EP20130180718	20130816
EP2700758 A3	20161116	EP20130180718	20130816
EP2700758 B1	20180801	EP20130180718	20130816
ES2691655 T3	20181128	ES20130180718T	20130816
PL2700758 T3	20190131	PL20130180718T	20130816

Priority:

DE201210107783 20120823 EP20130180718 20130816

Probable Assignee: VIEGA TECHNOLOGY GMBH AND CO KG

Assignee(s): (std): VIEGA GMBH AND CO KG ; VIEGA TECH GMBH AND CO KG

Assignee(s): VIEGA TECHNOLOGY GMBH AND CO KG

Inventor(s): (std): FIEDLER SASCHA ; HENNES FRANK ; SKRODOLIES DR KLAUS ; SCHULTE GEORG ; HEGEMANN LUDGER ; FIEGL TOMAS ; ARENS KLAUS ; POHL ACHIM ; STUECKERJUERGEN KARL HEINZ ; BERGMOSER SEBASTIAN ; SALOMON THOMAS ; SKRODOLIES KLAUS

Agent(s): COHAUSZ AND FLORACK PATENT U RECHTSANWAELTE PARTNERSCHAFTSGESELLSCHAFT MBB; COHAUSZ AND FLORACK

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE102012107783 A1	20140227	LSPB	+	published / reissued	
DE102012107783 A1	20120823	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102012107783 A1	20131011	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102012107783 A1	20131014	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102012107783 A1	20150421	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
DE102012107783 A1	20160507	LSGT	+R020	PATENT GRANT NOW FINAL	
DE102012107783 A1	20170508	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : VIEGA TECHNOLOGY GMBH & CO. KG, DE OLDPARTY : FORMER OWNER: VIEGA GMBH & CO. KG, 57439 ATTENDORN, DE
DE102012107783 B4	20150806	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102012107783 B4	20320823	PEXP		Calculated Patent Term Expiry	
EP2700758 A2	20140226	LSPB	+	published / reissued	
EP2700758 A2	20151216	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : VIEGA GMBH & CO. KG
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EP2700758 A3	20161116	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E03C 1/24 20060101AFI20161013BHEP
EP2700758 A3	20170315	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : VIEGA TECHNOLOGY GMBH & CO. KG
EP2700758 A3	20170531	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170420
EP2700758 A3	20180502	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180410
EP2700758 B1	20180801	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2700758 B1	20180801	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180622
EP2700758 B1	20180801	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
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EP2700758 B1	20181231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20181023 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181101
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

					LAPSED DATE : 20181102
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181201
EP2700758 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181101
EP2700758 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20180928 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20181022 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20181024 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20181022 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20181022 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20181129 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20181025 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO	COUNTRY OF REF DOCUMENT :

				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	FR PAYMENT DATE : 20181023 YEAR OF FEE PAYMENT : 6
EP2700758 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180816
EP2700758 B1	20190503	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502013010714 COUNTRY OF REF DOCUMENT : DE
EP2700758 B1	20190529	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2700758 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801
EP2700758 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180801

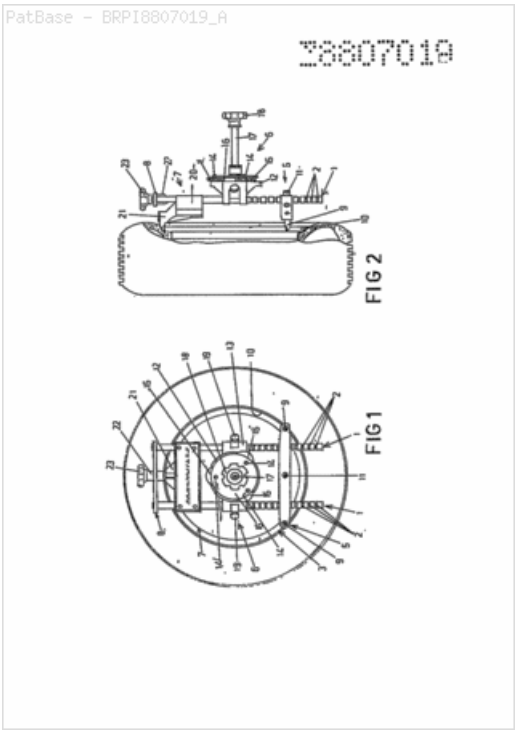
EP2700758 B1	20190710	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20190503
EP2700758 B1	20330816	PEXP		Calculated Patent Term Expiry	
ES2691655 T3	20181128	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2691655 T3	20330816	PEXP		Calculated Patent Term Expiry	
PL2700758 T3	20190131	LSGT	+	granted / extensions (spc, cpc, pte)	

73) Family number: 202659 (BRPI8807019A)

Title: GRAMPO DE FIXACAO DA CABECA MEDIDORA DO ALINHADOR **FIXATION** CLIP THE HEAD ALIGNMENT GAUGE (Machine translation)

Abstract: Source: BRPI8807019A [PT] [Source: Claim 1] 1 - "GRAMPO DE FIXACAO DA CABECA MEDIDORA DO ALINHADOR" caracterizado por ser compreendido por dois eixos-guiaL, paralelos e verticais (1) dotado de ranhuras contornantes para ajuste e espacadas regular- mente (2) e no qual fica montada uma primeira travessa extrema inferior (5), uma travessa intermediaria (6), i uma travessa extrema superior (7) e uma travessa extre ma superior e de topo (8); dita traveesa inferior (5)/ preve garras extremas em formas de unha (9) e um dis- positivo de travamento nas ranhuras dos eixos-guia, operado por um botao central (11); a travessa interme- diaria (6) e formada por um trecho central circular / (12) dotado de buchas opostas (13) de assentamento nos eixos-guia, sobre referido trecho central circular / (12) ficam parafusos e perpendicularmente dispostos / tres parafusos de regulagem de perpendicularidade (14) espacados regularmente em um alinhamento circunferen- ciai, dotados de manoplas medianas (15) e nas extremi- dades livres dos quais fica montado um disco-base / (16), cujo centro fica montado e perpendicularmente / disposto um pino (17) de penduramento da cabeca medido ra, com mandpla extrema (18) e alinhado ao eixo da ro- da, sendo que nas mencionadas buchas (13) sao previs-/ tos parafusos (19) de fixacao nos eixos-guia (1) e de regulagem vertical e a travessa extrema superior (7) / tem buchas extremas(20)de assentamento nos eixos-guia/ e da regiao mediana da mesma prolonga-se, obliquamente e para tras, uma garra (21) de tipo redondo e fica,mon M • • • •• tada uma das extremidades de um parafuso (22) de aper- to e ajuste do grampo, cuja regiao mediana fica parafu sada na travessa extrema superior e de topo (8) e a extremidade livre de referido parafuso preve manopla / 5 de manuseio (23) **Machine translation:** [Source: Claim 1] 1-"the **FIXATION** CLIP HEAD ALIGNMENT GAUGE" characterized by being comprised of two-axis-parallel and vertical, guiaL (1) with contornantes grooves to fit and regular espacadas-mind (2) and on which is mounted a first extreme bottom platter (5), an intermediate tray (6), (i) an extreme upper tray (7) and a ma and top ends (8); traveesa (5) dita/preve extreme shapes claws of nails (9) and a positive locking dis- in the slots of the Guide shafts, operated by a central button (11); the crosspiece interme-diary (6) and formed by a circular central/(12) with opposing bushings (13) of settlement on track, on central circular/excerpt referred to (12) screws and perpendicularly arranged/three perpendicular adjustment screws (14) espacados regularly in an alignment circunferen-ciai, equipped with gauntlets medians (15) and the free-ties extremi which is mounted a disc-base/(16), whose center is mounted and perpendicular/willing a PIN (17) of penduramento of the head measured ra, with extreme mandpla (18) and aligned to the axis of the ro-da, and in mentioned bushings (13) are foreseen/tos screws (19) **fixation** on the axes (1) and vertical adjustment and the extreme upper tray (7)/has extreme bushings (20) of settlement on track/Guide and median of the same region extends, obliquely and back, a claw (21) round type and is, mon M • • • • • tada one end of a screw (22) of aper-to and adjust the clip, whose median region is enclosed in the extreme upper crosspiece and sada (8) and the free end of screw knob/5 above mentioned handling (23)

Classifications:
International (IPC 8-9): G01M17/02 (Advanced/Invention); G01M17/02 (Core/Invention)
International (IPC 1-7): B60B13/00 G01M17/02



Family:

Publication number	Publication date	Application number	Application date
BRPI8807019 A	19890606	BR1988PI07019	19881228

Priority:
BR1988PI07019 19881228

Probable Assignee:	HOFMANN DO BRASIL LTDA
Assignee(s): (std):	HOFMANN DO BRASIL LTDA
Inventor(s): (std):	MEYER RAUL PEDRO PENTEADO
Inventor(s):	RAUL PEDRO PENTEADO MEYER

Legal status (INPADOC)

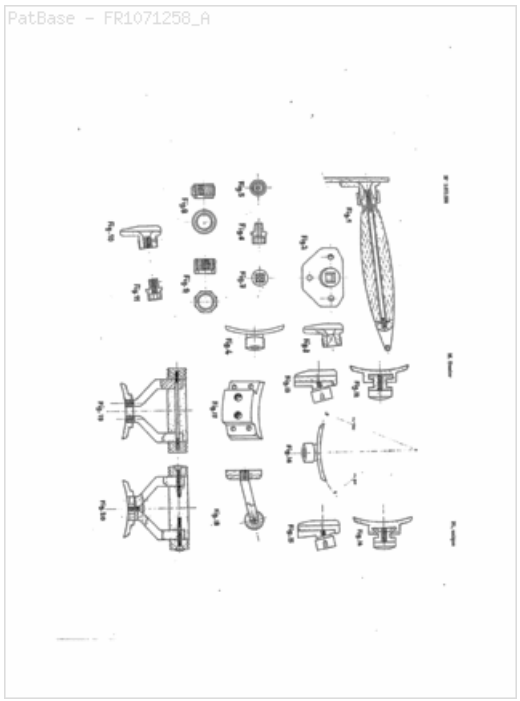
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Patent	Date recorded	Event group	Code	Event	Details
BRPI8807019 A	19890606	LSPB	+	published / reissued	
BRPI8807019 A	20080902	LSLE	-B21A	EXPIRY ACC. ART. 78, ITEM I OF IPL- EXPIRY OF THE TERM OF PROTECTION	TEXT : PATENTE EXTINTA EM 28/12/2003

74) Family number: 19467670 (FR1071258A)

Title: Queue de casserole, manche et anse amovibles a **fixation** rapide par l'utilisateur Tail pan **handle** and a removable handle Quick-user (Machine translation)

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention); A47J45/00 (Core/Invention)
International (IPC 1-7): A47J45/08
CPC: A47J45/071
European: A47J45/07A



Family:

Publication number	Publication date	Application number	Application date
FR1071258 A	19540830		19521125

Priority:
19521125

Inventor(s): (std): TESSIER JACQUES

Legal status (INPADOC)

View legal status timeline

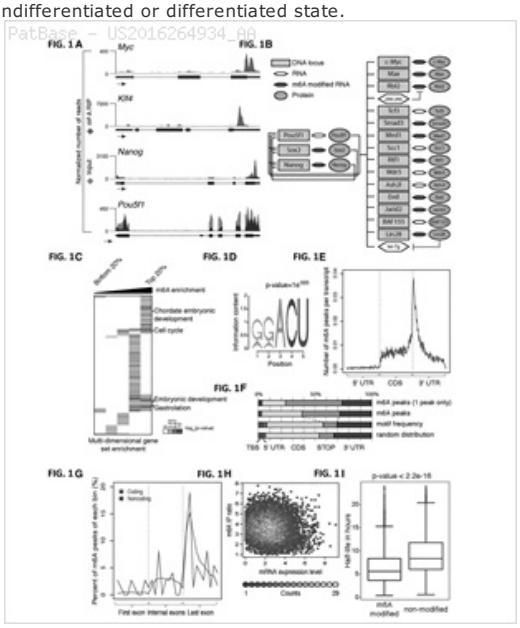
Patent	Date recorded	Event group	Code	Event	Details
FR1071258 A	19540830	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1071258 A	19721125	PEXP		Calculated Patent Term Expiry	

75) Family number: 63551674 (US2016264934A)

Title: METHODS FOR MODULATING AND ASSAYING M6A IN STEM CELL POPULATIONS

Abstract: The present invention generally relates to methods, assays and kits to maintain a human stem cell population in an undifferentiated state by inhibiting the expression or function of METTL3 and/or METTL4, and m6A fingerprint methods, assays, arrays and kits to assess the cell state of a human stem cell population by assessing m6A levels (e.g. m6A peak intensities) of a set of target genes disclosed herein to determine if the stem cell is in an undifferentiated or differentiated state.

Classifications:
International (IPC 8-9): A01N1/02 C12N5/0735 C12N5/077 C12N5/0793 C12Q1/68 G01N33/573 (Advanced/Invention)
CPC: C12N5/0606 C12Q1/6888 G01N33/573 A01N1/0226 C12N2501/72 C12N2506/02 C12Q2600/158 C12Y201/01062 C12Y201/01 C12N5/0619 C12N5/0657 G01N33/5308 G01N2440/12
US: 506/4



Family:

Publication number	Publication date	Application number	Application date
US2016264934 AA	20160915	US20160067780	20160311

Priority:

US20150131490P 20150311 US20160067780 20160311

Probable Assignee: THE UNIV OF CALIFORNIA

Assignee(s): (std): GENERAL HOSPITAL CORP ; MASSACHUSETTS GEN HOSPITAL ; THE UNIV OF CALIFORNIA ; UNIV CALIFORNIA

Assignee(s): GENERAL HOSPITAL D B A MASSACHUSETTS GENERAL HOSPITAL CORP ; BOARD OF TRUSTEES OF LELAND STANFORD JR UNIV

Inventor(s): (std): MULLEN ALAN C ; XING YI ; GIALLOURAKIS COSMAS

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
US2016264934 AA	20160915	LSPB	+	published / reissued	
US2016264934 AA	20160928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, CALIF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:XING, YI; REEL/FRAME:039872/0973 EFFECTIVE DATE : 20160509
US2016264934 AA	20160928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE GENERAL HOSPITAL CORPORATION D/B/A MASSACHUSET OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GIALLOURAKIS, COSMAS; MULLEN, ALAN C.; SIGNING DATES FROM 20160628 TO 20160726; REEL/FRAME:039872/0979
US2016264934 AA	20170609	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE BOARD OF TRUSTEES OF LELAND STANFORD JR. UNIVE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHANG, HOWARD YUAN-HAO; BATISTA, PEDRO JORGE DE OLIVEIRA RODRIGUES; SIGNING DATES FROM 20170224 TO 20170227;

					REEL/FRAME:042658/0995
US2016264934 AA	20170824	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016264934 AA	20170828	LSES	NFA1	Non Final Action Mailed	
US2016264934 AA	20180207	LSES	NFA1	Non Final Action Mailed	
US2016264934 AA	20190416	LSWD	-ABD3	Abandoned - - Failure to Respond to an Office Action	

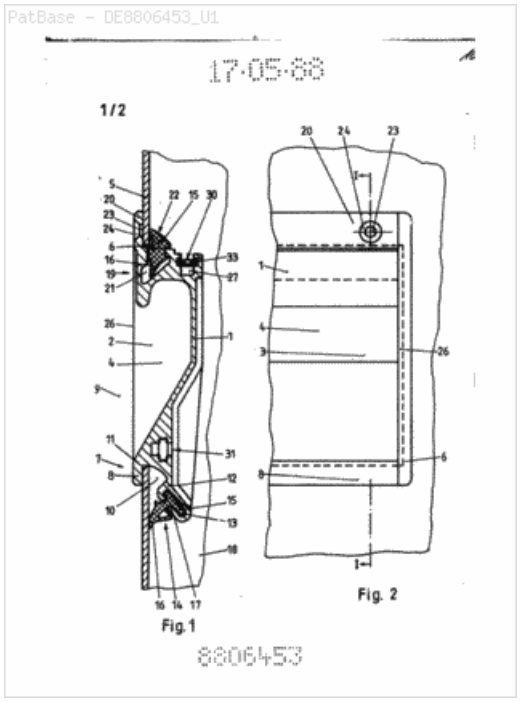
76) Family number: 29481677 (DE8806453U1)

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Abstract: Source: DE8806453U1 [DE] (Claim 1) 1. In eine oeffnung einer Gehaeusewand einsetzbarer Schalengriff, mit einem Mittelteil aus einem Abeschnitt eines stranggepressten Metallprofils, mit an den beiden Schnittstellen des Abschnitts ansetzbaren, eine Griffmulde begrenzenden Endkappen, und mit Befestigungsmitteln zur Verankerung des Schalengriffs in der oeffnung der Gehaeusewand, dadurch gekennzeichnet, dass der Mittelteil (1) im oberen und im unteren Randbereich (19,7) je eine Einsatznut (21,13) aufweist, in die als Befestigungsmittel Abschnitte von Montageleisten 22, 14) aus elastomerem Material einsetzbar sind, die die Gehaeusewand (5) hintergreifen.

Machine translation: (Claim 1) 1 In an opening of a housing-purpose tray handle, with a central part of a Abeschnitt an extruded metal section, with the two interfaces of the section attachable, a recessed grip limiting end caps, and fasteners to anchor the cup handle in the opening of the housing, wherein the middle part (1) in the upper and lower edge of the field (19.7) one Einsatznut (21.13), into which are used as fastening means portions of mounting bars 22, 14) made of elastomeric material, which engage the housing (5).

Classifications:
International (IPC 8-9): A47B95/02 (Advanced/Invention); A47B95/00 (Core/Invention)
International (IPC 1-7): A47B95/02
CPC: A47B95/02 A47B2095/024 A47B2095/026
European: A47B95/02 K47B95/02D K47B95/02E



Family:

Publication number	Publication date	Application number	Application date
DE8806453 U1	19881201	DE19880006453U	19880517

Priority:

DE19880006453U 19880517

Probable Assignee: ROHDE AND SOHN GMBH AND CO 3412 NOERTEN HARDENBERG DE KG

Assignee(s): ROHDE AND SOHN GMBH AND CO 3412 NOERTEN HARDENBERG DE KG ; ROHDE AND SOHN GMBH AND CO KG 3412 NOERTEN HARDE ; ROHDE AND SOHN GMBH AND CO KG 3412 NOERTEN HARDENBERG DE

Legal status (INPADOC)

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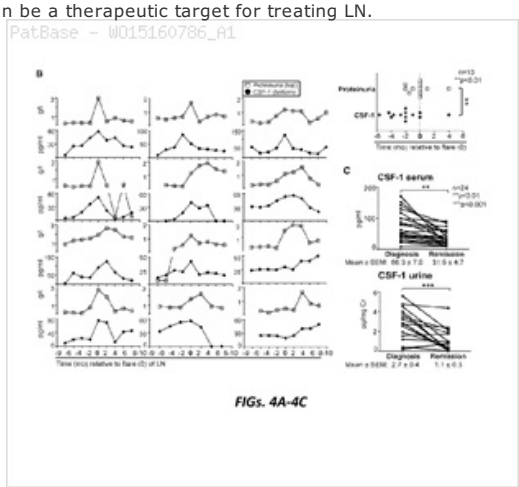
Patent	Date recorded	Event group	Code	Event	Details
DE8806453 U1	19881201	LSGT	+	granted / extensions (spc, cpc, pte)	
DE8806453 U1	19980517	PEXP		Calculated Patent Term Expiry	

77) Family number: 60613678 (WO15160786A1)

Title: METHOD OF DIAGNOSING, PROGNOSING, AND TREATING LUPUS NEPHRITIS

Abstract: The present invention relates to methods of identifying the risk of a subject developing lupus nephritis (LN) by measuring the CSF-1 level in a sample obtained from the subject. For a subject having systemic lupus erythematosus (SLE) or in remission of LN, tracking the CSF-1 levels of the subject over time can permit one to predict the likelihood of the subject developing LN or LN flares. For a subject having LN and receiving treatment for LN, the treatment progress can be monitored by tracking the CSF-1 levels of the subject over time. Furthermore, CSF-1 can be a therapeutic target for treating LN.

Classifications:
International (IPC 8-9): C07K16/28 G01N33/564 (Advanced/Invention)
CPC: G01N2333/53 G01N2800/104 G01N2800/347 G01N2800/52 G01N33/6863 C07K16/243



Family:

Publication number	Publication date	Application number	Application date
WO15160786 A1	20151022	WO2015US25719	20150414

Priority:
US20140979322P 20140414

Probable Assignee: BRIGHAM AND WOMENS HOSPITAL
Assignee(s): (std): BRIGHAM AND WOMENS HOSPITAL ; UNIVERSITAETSMEDIZIN DER JOHANNES GUTENBERG UNIV MAINZ
Assignee(s): BRIGHAM AND WOMEN S HOSPITAL INC
Inventor(s): (std): KELLEY VICKI RUBIN ; SCHWARTING ANDREAS ; WEINMANN MENKE JULIA
Agent(s): RESNICK DAVID S ET AL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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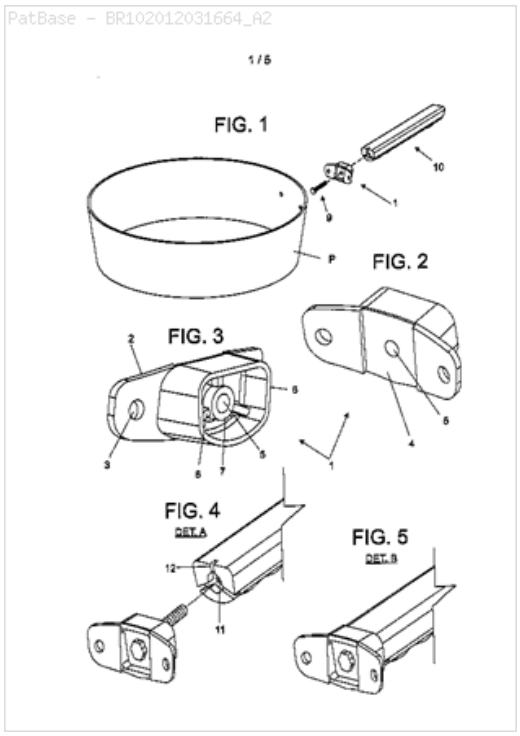
Patent	Date recorded	Event group	Code	Event	Details
WO15160786 A1	20151022	LSPB	+	published / reissued	
WO15160786 A1	20161014	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15160786 A1	20170503	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15780424 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

78) Family number: 57553687 (BR102012031664A)

Title: CONJUNTO DE PARA-CHAMAS E CABO PARA PANELAS, COM SISTEMA DE MONTAGEM SET-TO FLAMES AND PANS CABLE, WITH MOUNTING SYSTEM (Machine translation)

Abstract: Source: BR102012031664A [PT] 1 RESUMO "CONJUNTO DE PARA-CHAMAS E CABO PARA PANELAS, COM SISTEMA DE MONTAGEM", onde para-chamas (1) recebe o repuxo do extremo do cabo (10) por meio de um parafuso (9) introduzido horizontalmente 5 e que, apos o aperto (rosqueamento) mantem-se com a cabeca embutida. Apos a montagem o para-chamas (1) travado com o cabo (10) travado pelo parafuso (9), e aplicado por rebites no corpo da panela (P). Com isso sao evitadas folgas e impossibilitando soltura, trazendo grande seguranca ao usuario e evitando manutencoes ou reparos, com longa durabilidade, alem de ser 10 visualmente atrativo, nao deixando vestigios de aparafusamento. O travamento pode ser feito, como foi dito, a partir do para-chamas (1) contra o cabo (10) ou, em uma outra versao construtiva, a partir do cabo (10a) contra o para- chamas (1), ambas as opcoes efetuadas atraves de sistema de repuxo. **Machine translation:** 1 SUMMARY "SET FOR-FLAMES AND CABLE PANS WITH MOUNTING SYSTEM", where for-flame (1) receives the cable end of the fountain (10) by means of a screw (9) introduced horizontally 5 and, after tightening (threading) keeps with the built-in head. After mounting the to-flame (1) caught with the cable (10) caught by the screw (9) and applied by rivets on the pan body (P). With that gaps are avoided and preventing loosening, bringing great safety for the User and avoiding service or repairs, with long durability, besides being visually attractive 10, leaving no traces of screwing. The locking can be done, as already stated, from the to-fire (1) against the cable (10) or in another constructive version, from the handle (10a) against flames para (1), both the options made through the fountain system.

Classifications:
International (IPC 8-9): A47J45/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
BR102012031664 A2	20140930	BR20121031664	20121212

Priority:

BR20121031664 20121212

Probable Assignee: IND DE ARTEFATOS DE BAQUELITE CABFORT LTDA EPP
Assignee(s): (std): IND DE ARTEFATOS DE BAQUELITE CABFORT LTDA EPP
Assignee(s): INDUSTRIA DE ARTEFATOS DE BAQUELITE CABFORT LTDA EPP
Inventor(s): (std): BARRETO MAURO ARRUDA
Inventor(s): MAURO ARRUDA BARRETO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BR102012031664 A2	20140930	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BR102012031664 A2	20161011	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 4A ANUIDADE.

BR102012031664 A2	20170207	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)

79) Family number: 43347689 (US2009139981A)

Title: SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR PROGRAMMABLE COUNTER-TOP ELECTRIC OVEN

Abstract: A multi-stage cooking method for a counter-top electric oven is provided. The oven may include at least one cooking element and at least one control system coupled to the cooking element, the control system including a processor, a storage device, and an input interface. The multi-stage cooking method may include: receiving the multi-stage cooking recipe for the counter-top electric oven; storing the multi-stage cooking recipe in the storage device of the counter-top electric oven; and executing the multi-stage cooking recipe with the counter-top electric oven.

Classifications:

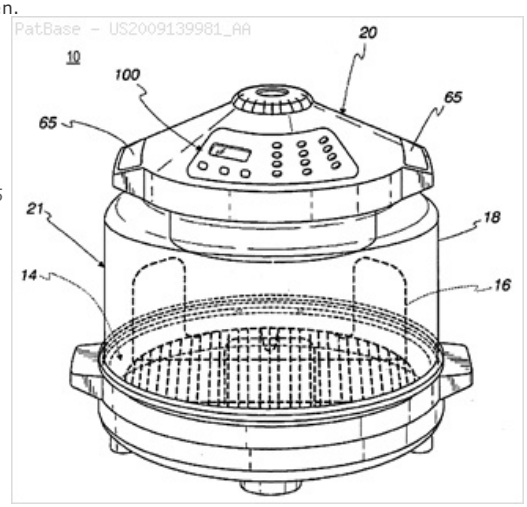
International (IPC 8-9): A21B1/00 A21B1/22 A21B1/40 A21B3/04 A23L3/54 A47J27/00 A47J36/02 A47J37/06 B23P19/04 C12N15/867 F24C15/00 F24C7/08 F24C7/10 F26B25/18 F26B9/00 H01F41/00 H05B1/02 H05B6/06 H05B6/12 (Advanced/Invention); A21B1/00 B23P19/04 F26B25/06 H05B1/02 (Core/Invention)

CPC: H05B6/12 H05B6/1263 H05B2213/07 F24C7/088 F24C7/081 A23L3/54 A47J37/0629 H05B1/0263 A23L3/40 A21B1/22 A21B3/04 F26B9/003 Y10T29/49002 Y10T29/53 A47J37/0623 F24C7/08 F24C15/325 H05B2206/022 A47J27/002 H05B6/1209 A47J36/02 H05B6/062 F24C7/082 F24C15/006 H05B2213/04 Y10T29/4902

European: A21B1/22 A21B3/04 A47J37/06C F24C15/32B2 F24C7/08 F26B9/00B H05B6/06C

US: 1/1 219/386 219/392 219/400 219/400S 219/412 219/413 219/446.1 219/448.11 219/458.1 219/490 219/494 219/494S 219/506 219/601 219/620 219/620S 219/621 219/622 219/622S 219/632 29/592.1 29/592.100S 29/602.1 29/700 29/700S 34/197 34/197S 34/220 34/238 34/553 99/331 D7/354 D7/361

Locarno class: 07/02



Family:

Publication number	Publication date	Application number	Application date
CN102960055 A	20130306	CN201180013476	20111022
CN102960055 B	20160420	CN201180013476	20111022
CN104373972 A	20150225	CN201410093100	20140313
CN202262349 U	20120606	CN200890100241U	20081201
US2009139981 AA	20090604	US20070987487	20071130
US2009321410 AA	20091231	US20090506628	20090721
US2011220632 AA	20110915	US20110046700	20110312
US2012152932 AA	20120621	US20110277212	20111019
US2013240505 AA	20130919	US20130830970	20130314
US2014021191 AA	20140123	US20130832775	20130315
US2015028022 AA	20150129	US20140214705	20140315
US2015083711 AA	20150326	US20140556059	20141128
US2016174298 AA	20160616	US20150936885	20151110
US2017245328 AA	20170824	US20170589490	20170508
US7964824 BB	20110621	US20070987487	20071130
US8330083 BB	20121211	US20110046700	20110312
US8835810 BB	20140916	US20090506628	20090721
US9226343 BB	20151229	US20110277212	20111019
US9648667 BB	20170509	US20150936885	20151110
US9833101 BB	20171205	US20140556059	20141128
USD693627 S1	20131119	US20120410001F	20120102
USD714583 S1	20141007	US20120415482F	20120311
USD734091 S1	20150714	US20130472784F	20131115
US10098187 BB	20181009	US20170589490	20170508
WO09070338 A1	20090604	WO2008US13235	20081201
WO11113046 A1	20110915	WO2011US28354	20110314
WO12054908 A2	20120426	WO2011US57408	20111022
WO12054908 A3	20120614	WO2011US57408	20111022

Priority:

US20070987487 20071130
US20100313571P 20100312
US20110470493P 20110401
US20120410001F 20120102
US20130832775 20130315
US20140064969P 20141016
US20170589490 20170508
WO2008US13235 20081201
US20100406111P 20101023
US20110277212 20111019
US20120415482F 20120311
US20130472784F 20131115
US20140556059 20141128
US20090506628 20090721
US20110046700 20110312
WO2011US57408 20111022
US20130830970 20130314
US20140214705 20140315
US20150936885 20151110

Probable Assignee: NUWAVE LLC

Assignee(s): (std): CHA EUNG Y ; CHA EUNG YUB ; CHOI BYONG G ; CHOI BYUNG G ; CHOI EUNG Y ; DAWES JENNIFER E ; IBC HEARTHWARE INC ; KIM GENE H ; KWON MIKALE K ; HEARTHWARE INC ; LIU JIAN JIANG ; LIAN TENG JIN ; HUH EUNJUNG ; HUH GRACE ; MOON JUNG ; HUH EUNJUNG GRACE ; HUI XIAOLIANG ; MOON JUNG S ; PING ZENG QING ; ROK KIM JONG ; PUERZER TERRY ; PACE ALICE ; ROSCH CATHY ; NUWAVE LLC

Inventor(s): (std): BYUNG G CHOI ; EUNG YUB CHA ; JUNG S MOON ; MIKALE K KWON ; ZENG QING PING ; JIAN JIANG LIU ; TENG JIN LIAN ; HUI XIAOLIANG ; MOON JUNG ; HUH GRACE ; CHA EUNG YUB ; ROSCH CATHY ; DAWES JENNIFER E ; ROK KIM JONG ; HUH EUNJUNG ; LIAN TENG JIN ; PING ZENG QING ; PACE ALICE ; PUERZER

	TERRY ; WEN J S ; LIU JIAN JIANG ; HUH EUNJUNG GRACE ; CHOI BYONG G ; CHOI EUNG Y ; KWON MIKALE K ; CHOI BYUNG G ; KIM GENE H ; CHA EUNG Y ; MOON JUNG S
Inventor(s):	JUNG SMOON ; J S WEN
Agent(s):	VENABLE LLP; ALBRECHT TOUSI AND FARNUM PLLC; RALPH P; JEFFREY; ATFIRM PLLC; BISHOP DIEHL AND LEE LTD; JEFFREY M; TOUSI CAMERON H; ALBRECHT RALPH P; ALBRECHT RALPH
Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN102960055 A	20130306	LSPB	+	published / reissued	
CN102960055 A	20130306	LSPB	+C06	PUBLICATION	
CN102960055 A	20160420	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102960055 A	20170322	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN102960055 B	20160420	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102960055 B	20311022	PEXP		Calculated Patent Term Expiry	
CN104373972 A	20150225	LSPB	+	published / reissued	
CN104373972 A	20150225	LSPB	+C06	PUBLICATION	
CN104373972 A	20170322	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN104373972 A	20180608	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
CN202262349 U	20120606	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202262349 U	20120606	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202262349 U	20170412	LSAS	TR01	TRANSFER OF PATENT RIGHT	
CN202262349 U	20181225	LSLE	-CX01	EXPIRY OF PATENT TERM	
CN202262349 U	20181201	PEXP		Calculated Patent Term Expiry	
US10098187 BB	20181009	LSGT	+	granted / extensions (spc, cpc, pte)	
US10098187 BB	20170508	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; KWON, MIKALE K.; CHOI, BYUNG G.; AND OTHERS; SIGNING DATES FROM 20120130 TO 20120215; REEL/FRAME:042280/0717
US10098187 BB	20170508	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HEARTHWARE, INC.; REEL/FRAME:042422/0815 EFFECTIVE DATE : 20140711
US10098187 BB	20180919	LSGT	PAT1	Patented Case	
US10098187 BB	20370508	PEXP		Calculated Patent Term Expiry	
US2009139981 AA	20090604	LSPB	+	published / reissued	
US2009139981 AA	20110601	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2009321410 AA	20091231	LSPB	+	published / reissued	
US2009321410 AA	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHA, EUNG YUB; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20130828 TO 20130911; REEL/FRAME:032952/0464
US2009321410 AA	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US2009321410 AA	20140827	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011220632 AA	20110915	LSPB	+	published / reissued	
US2011220632 AA	20121121	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2012152932 AA	20120621	LSPB	+	published / reissued	
US2012152932 AA	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHA, EUNG YUB; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20130828 TO 20130911; REEL/FRAME:032952/0464
US2012152932 AA	20140707	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHOI, BYUNG G; KWON, MIKALE K.; SIGNING DATES FROM 20140605 TO 20140610; REEL/FRAME:033253/0793
US2012152932 AA	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US2012152932 AA	20151209	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013240505 AA	20130919	LSPB	+	published / reissued	
US2013240505 AA	20130612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHA, EUNG YUB; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20130531

					TO 20130607; REEL/FRAME:030600/0373
US2013240505 AA	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; KWON, MIKALE K; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20120130 TO 20120215; REEL/FRAME:032953/0293
US2013240505 AA	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US2013240505 AA	20170515	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014021191 AA	20140123	LSPB	+	published / reissued	
US2014021191 AA	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; KWON, MIKALE K; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20120130 TO 20120215; REEL/FRAME:032953/0293
US2014021191 AA	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHA, EUNG YUB; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20130828 TO 20130911; REEL/FRAME:032952/0464
US2014021191 AA	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US2014021191 AA	20151202	LSES	NFA1	Non Final Action Mailed	
US2014021191 AA	20170220	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2015028022 AA	20150129	LSPB	+	published / reissued	
US2015028022 AA	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; KWON, MIKALE K; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20120130 TO 20120215; REEL/FRAME:032953/0293
US2015028022 AA	20140707	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHA, EUNG YUB; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20140606 TO 20140616; REEL/FRAME:033252/0031
US2015028022 AA	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US2015028022 AA	20171218	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

US2015083711 AA	20150326	LSPB	+	published / reissued	
US2015083711 AA	20170720	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2015083711 AA	20171023	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2015083711 AA	20171024	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2015083711 AA	20171115	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016174298 AA	20160616	LSPB	+	published / reissued	
US2016174298 AA	20170419	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017245328 AA	20170824	LSPB	+	published / reissued	
US2017245328 AA	20171013	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017245328 AA	20171018	LSES	NFA1	Non Final Action Mailed	
US2017245328 AA	20180529	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017245328 AA	20180609	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2017245328 AA	20180919	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7964824 BB	20110621	LSGT	+	granted / extensions (spc, cpc, pte)	
US7964824 BB	20071130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IBC-HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOON, JUNG S.; REEL/FRAME:020224/0425 EFFECTIVE DATE : 20071128
US7964824 BB	20110601	LSGT	PAT1	Patented Case	
US7964824 BB	20140522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHA, EUNG YUB; CHOI, BYUNG G; AND OTHERS; SIGNING DATES FROM 20130828 TO 20130911; REEL/FRAME:032952/0464
US7964824 BB	20140708	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7964824 BB	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US7964824 BB	20190211	LSFE	FEPP	FEE PAYMENT	TEXT : MAINTENANCE FEE REMINDER

				PROCEDURE	MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7964824 BB	20190612	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : 7.5 YR SURCHARGE - LATE PMT W/IN 6 MO, SMALL ENTITY (ORIGINAL EVENT CODE: M2555); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7964824 BB	20190612	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7964824 BB	20280630	PEXP		Calculated Patent Term Expiry (PTA 213 days)	
US8330083 BB	20121211	LSGT	+	granted / extensions (spc, cpc, pte)	
US8330083 BB	20110601	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IBC-HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S.; KIM, GENE H.; KWON, MIKALE K.; AND OTHERS; REEL/FRAME:026365/0781 EFFECTIVE DATE : 20110331
US8330083 BB	20121121	LSGT	PAT1	Patented Case	
US8330083 BB	20140714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HEARTHWARE, INC.; HEARTHWARE HOME PRODUCTS, INC.; IBC-HEARTHWARE, INC.; AND OTHERS; REEL/FRAME:033307/0543 EFFECTIVE DATE : 20140711
US8330083 BB	20160115	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8330083 BB	20310312	PEXP		Calculated Patent Term Expiry	
US8835810 BB	20140916	LSGT	+	granted / extensions (spc, cpc, pte)	
US8835810 BB	20090723	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IBC-HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOON, JUNG S; REEL/FRAME:022997/0658 EFFECTIVE DATE : 20090706
US8835810 BB	20140827	LSGT	PAT1	Patented Case	
US8835810 BB	20180312	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8835810 BB	20320726	PEXP		Calculated Patent Term Expiry (PTA 1101 days)	
US9226343 BB	20151229	LSGT	+	granted / extensions (spc, cpc, pte)	
US9226343 BB	20120307	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEARTHWARE, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S.; KWON, MIKALE K.; CHOI, BYUNG G.; AND OTHERS; SIGNING DATES FROM 20120130 TO 20120215; REEL/FRAME:027823/0907
US9226343 BB	20151112	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9226343 BB	20151209	LSGT	PAT1	Patented Case	
US9226343 BB	20190624	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9226343 BB	20330315	PEXP		Calculated	

				Patent Term Expiry (PTA 513 days)	
US9648667 BB	20170509	LSGT	+	granted / extensions (spc, cpc, pte)	
US9648667 BB	20160225	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NUWAVE, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOON, JUNG S; CHOI, BYUNG G; DAWES, JENNIFER E; AND OTHERS; SIGNING DATES FROM 20120130 TO 20120215; REEL/FRAME:037916/0168
US9648667 BB	20170419	LSGT	PAT1	Patented Case	
US9648667 BB	20351110	PEXP		Calculated Patent Term Expiry	
US9833101 BB	20171205	LSGT	+	granted / extensions (spc, cpc, pte)	
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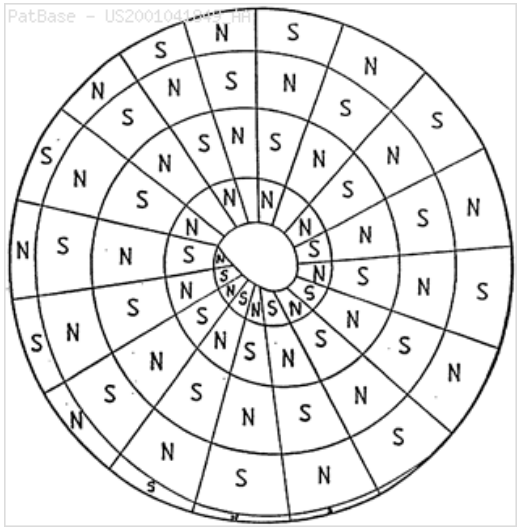
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80) Family number: 30047711 (US2001041849A)

Title: Flexible magnetic pad with multi-directional constantly alternating polarity zones

Abstract: A flexible magnetic pad is provided with constantly alternating polarity zones which therapeutically affect blood vessels to increase blood flow, irrespective of the orientation of any blood vessel with respect to the pad, the polarity zones being arranged in an alternating pattern throughout the pad.

Classifications:
International (IPC 8-9): A43B17/00 A47J47/16 A61B17/52 A61N1/00 A61N2/00 A61N2/06 A61N2/08 A61N5/06 (Advanced/Invention); A61N2/00 (Advanced/Non-invention); A47J47/00 A61B17/50 A61N2/00 (Core/Invention)
International (IPC 1-7): A47C17/00 A47F7/00 A61B17/52 A61F5/00 A61H1/00 A61N1/00 A61N2/00 A61N2/06 A61N2/08 A61N5/06 B32B31/00 H05B1/00 H05B3/34
CPC: A47J47/16 Y10T156/1057 A43B17/00 A43B1/0054 A61N2/06
European: A43B1/00M A43B17/00 A47J47/16 A61N2/06
US: 156/253 156/272.4 211/41.11 211/70.7 219/211 219/528 248/37.3 36/44 493/356 5/693 600/15 600/15P 600/15S 600/9 600/9P 600/9S 601/15 602/1 602/1S 607/152



Family:

Publication number	Publication date	Application number	Application date
AU199335880 A1	19930803	AU19930035880	19930121
AU199889018 A1	19990927	AU19980089018	19980807
AU2001288215 AA	20020130	AU20010288215	20010626
AU200188215 A1	20020130	AU20010088215	20010626
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CN1154523 C	20040623	CN19988013879	19980807
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CN1296107 C	20070124	CN20018014546	20010626
CN1447705 A	20031008	CN20018014546	20010626
DE1069925 T1	20010719	DE19980940830T	19980807
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EP1301239 A4	20050727	EP20010967935	20010626
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JP2840449 B2	19981224	JP19930512726	19930121
JP8500020 T2	19960109	JP19930512726T	19930121
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US5514072 A	19960507	US19950427733	19950424
US5538495 A	19960723	US19950573390	19951215
US5871438 A	19990216	US19960678348	19960711
US6293900 BA	20010925	US19970911950	19970815
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US6652446 BA	20031125	US20010909674	20010719
US6666813 BA	20031223	US20020139495	20020506
US6692427 BB	20040217	US20020132103	20020424
US6846379 BA	20050125	US20010004143	20011023
US6939287 BA	20050906	US20030674687	20030930

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WO9313720 A1	19930722	WO1993US00527	19930121
WO9945998 A1	19990916	WO1998US16546	19980807

Priority:

US19920823149 19920121
US19930158607 19931129
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US20020136894 20020429
US20030745777 20031224

Probable Assignee: NU MAGNETICS INC

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Inventor(s): ARUDEIZOONE UINSENTO ; VINCEN ARDIZZONE ANTHONY BOVE

Agent(s): MACRAE AND CO; CISLO AND THOMAS LLP; CISLO DANIEL M; DANIEL M

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199335880 A1	19930803	LSPB	+	published / reissued	
AU199889018 A1	19990927	LSPB	+	published / reissued	
AU2001288215 AA	20020130	LSPB	+	published / reissued	
AU200188215 A1	20020130	LSPB	+	published / reissued	
CA2320840 AA	20000816	LSPB	+	published / reissued	
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CA2320840 AA	20080807	LSLE	-FZDE	DEAD	
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CN1296107 C	20070124	LSGT	+	granted / extensions (spc, cpc, pte)	
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CN1296107 C	20210626	PEXP		Calculated Patent Term Expiry	

CN1447705 A	20031008	LSPB	+	published / reissued	
CN1447705 A	20031008	LSPB	+C06	PUBLICATION	
DE1069925 T1	20010719	LSPB	+	published / reissued	
EP1069925 A1	20010124	LSPB	+	published / reissued	
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EP1069925 A1	20010314	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	TEXT : 7A 61N 2/06 A
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US2002077523 AA	20040112	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
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US2004220445 AA	20070817	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005209501 AA	20050922	LSPB	+	published / reissued	
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				extensions (spc, cpc, pte)	
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US5871438 A	20060216	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
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US5871438 A	20110314	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
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US6293900 BA	20090210	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
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US6322491 BA	20050103	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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US6328684 BA	20100111	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6328684 BA	20100111	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6328684 BA	20100202	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20091211
US6328684 BA	20181215	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US6383125 A	00000000	LSGT	+	granted / extensions (spc, cpc, pte)	
US6383129 BA	20020507	LSGT	+	granted / extensions (spc, cpc, pte)	
US6383129 BA	20001222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NU-MAGNETICS, INC., NEW

					YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ARDIZZONE, VINCENT; BOVE, ANTHONY; REEL/FRAME:011405/0918 EFFECTIVE DATE : 20001108
US6383129 BA	20050519	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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US6383129 BA	20100607	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6383129 BA	20100607	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6383129 BA	20100629	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20100507
US6383129 BA	20200714	PEXP		Calculated Patent Term Expiry	
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US6626820 BA	20021125	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NU-MAGNETICS, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ARDIZZONE, VINCENT; REEL/FRAME:013522/0422 EFFECTIVE DATE : 20020725
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US6666813 BA	20071223	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6666813 BA	20080121	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6666813 BA	20080121	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6666813 BA	20080212	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20071223
US6666813 BA	20220506	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
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US6692427 BB	20020806	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NU-MAGNETICS, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOVE, ANTHONY; ARDIZZONE, VINCENT; REEL/FRAME:013161/0116 EFFECTIVE DATE : 20020725
US6692427 BB	20050816	LSRE	CC	CERTIFICATE OF CORRECTION	
US6692427 BB	20080219	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6692427 BB	20120217	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6692427 BB	20120319	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6692427 BB	20120319	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6692427 BB	20120410	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20120217
US6692427 BB	20220424	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US6846379 BA	20050125	LSGT	+	granted / extensions (spc, cpc, pte)	
US6846379 BA	20050106	LSGT	PAT1	Patented Case	
US6846379 BA	20080327	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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US6846379 BA	20170125	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6846379 BA	20170220	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR	

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US6846379 BA	20170220	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6846379 BA	20170314	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20170125
US6846379 BA	20220707	PEXP		Calculated Patent Term Expiry (PTA 257 days)	
US6939287 BA	20050906	LSGT	+	granted / extensions (spc, cpc, pte)	
US6939287 BA	20040326	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NU-MAGNETICS, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ARDIZZONE, VINCENT; BOVE, ANTHONY; REEL/FRAME:015133/0217 EFFECTIVE DATE : 20040311
US6939287 BA	20090906	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6939287 BA	20091005	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6939287 BA	20091005	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6939287 BA	20091027	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20090906
US6939287 BA	20230930	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO0205891 A1	20020124	LSPB	+	published / reissued	
WO0205891 A1	20030117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001967935 COUNTRY OF REF DOCUMENT : EP
WO0205891 A1	20030224	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 018145469 COUNTRY OF REF DOCUMENT : CN
WO0205891 A1	20030416	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001967935 COUNTRY OF REF DOCUMENT : EP
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WO9313720 A1	19930722	LSPB	+	published / reissued	
WO9313720 A1	19941110	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9313720 A1	19950906	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
WO9313720 A1	19950921	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA
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WO9945998 A1	19980807	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 98813879.4 COUNTRY OF REF DOCUMENT : CN
WO9945998 A1	20000804	LSNP	+WWE	WIPO INFORMATION:	REF DOCUMENT NUMBER : 1998940830

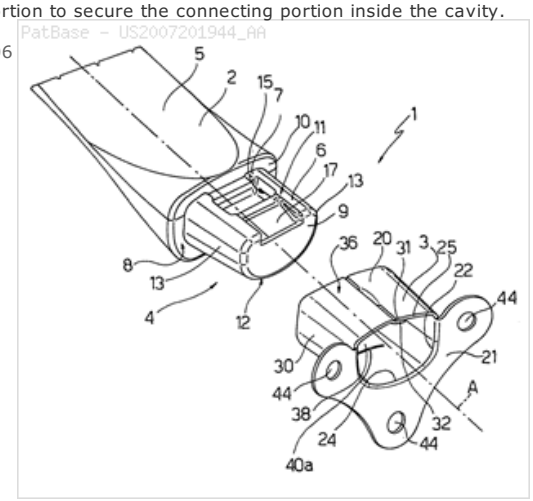
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WO9945998 A1	20000911	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2000/008889 COUNTRY OF REF DOCUMENT : MX
WO9945998 A1	20010111	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9945998 A1	20010124	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998940830 COUNTRY OF REF DOCUMENT : EP

81) Family number: 34162764 (US2007201944A)

Title: DEVICE FOR FASTENING A CONNECTING MEMBER TO A HANDLE OF A COOKING VESSEL

Abstract: There is provided a device for fastening a connecting member to a handle of a cooking vessel; the connecting member has a collar portion having an inner cavity into which a connecting portion of the handle is inserted; the collar portion is bounded by a lateral wall closed into a loop by means of two opposite end tabs joined to each other and defining at least one preassembly tooth cooperating with a seat formed in the connecting portion; and the connecting member has a fastening member, which is pressed and permanently deformed inside a recess on the connecting portion to secure the connecting portion inside the cavity.

Classifications:
International (IPC 8-9): A47J A47J27/00 A47J36/34 A47J45/00 A47J45/06 A47J45/10 A47J47/06 A47J47/16 B65D25/32
F16B7/10 (Advanced/Invention);
A47J36/34 A47J45/00 A47J45/06 (Advanced/Non-invention);
A47J27/00 A47J36/00 A47J45/00 A47J47/00 F16B7/00 (Core/Invention);
A47J (Subclass/Invention)
International (IPC 1-7): B25G3/02
CPC: Y10T403/32467 A47J45/061
European: A47J45/06A
US: 220/752 220/776 403/109.1 403/109.100P



Family:

Publication number	Publication date	Application number	Application date
AT463191 E	20100415	AT20050425562T	20050729
BRPI0603296 A	20070313	BR2006PI03296	20060728
BRPI0603296 B1	20190430	BR2006PI03296	20060728
CN100500069 C	20090617	CN200610110076	20060731
CN1903109 A	20070131	CN200610110076	20060731
CO5780125 A1	20070731	CO20060074298	20060728
DE602005020439 D1	20100520	DE200560020439T	20050729
EG24454 A	20090714	EG20060070376	20060730
EP1747746 A1	20070131	EP20050425562	20050729
EP1747746 B1	20100407	EP20050425562	20050729
ES2343637 T3	20100805	ES20050425562T	20050729
HK1095253 A1	20100903	HK20070102994	20070320
HK1095253 A1	20070504	HK20070102994	20070320
HK1095253 A3	20070504	HK20070102994	20070320
HK1095253 B	20100903	HK20070102994	20070320
KR101279879 B1	20130701	KR20060071392	20060728
KR20070015065 A	20070201	KR20060071392	20060728
PT1747746 T	20100701	PT20050425562T	20050729
RU2006127487 A	20080210	RU20060127487	20060728
RU2336799 C2	20081027	RU20060127487	20060728
US2007201944 AA	20070830	US20060493039	20060726
US7841486 BB	20101130	US20060493039	20060726

Priority:

EP20050425562 20050729

Probable Assignee: LA TERMOPLASTIC FBM SRL

Assignee(s): (std): LA TERMOPLASTIC F B M S R L ; TERMOPLASTIK F B M S R L ; TERMOPLASTIC F B M S R I ; TERMOPLASTIC FBM SRL ; MUNARI MARCO

Assignee(s): LA TERMOPLASTIK F B M S R L ; LA TERMOPLASTIC F B M S R I ; LA TERMOPLASTIC FBM SRI ; LA TERMOPLASTIK FBMSRL ; LA TERMOPLASTIC F B M S R L ARSAGO SEPRIO ; LA TERMOPLASTIC FBM S A ; LA TERMOPLASTIC FBM SRL

Inventor(s): (std): MARCO MUNARI ; MUNARI MARCO ; MUNARI MARKO

Agent(s): DILIA MARIA RODRIGUEZ; JORIO PAOLO; EMILY YIP AND CO; BERENATO WHITE AND STAVISH, SUITE 240; BERENATO AND WHITE LLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT463191 E	20100415	LSGT	+	granted /	

				extensions (spc, cpc, pte)	
AT463191 E	20101015	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT463191 E	20250729	PEXP		Calculated Patent Term Expiry	
BRPI0603296 A	20070313	LSPB	+	published / reissued	
BRPI0603296 A	20190306	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0603296 A	20190430	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	TEXT : PRAZO DE VALIDADE: 10 (DEZ) ANOS CONTADOS A PARTIR DE 30/04/2019, OBSERVADAS AS CONDICOES LEGAIS. (CO) 10 (DEZ) ANOS CONTADOS A PARTIR DE 30/04/2019, OBSERVADAS AS CONDICOES LEGAIS
BRPI0603296 B1	20260728	PEXP		Calculated Patent Term Expiry	
CN100500069 C	20090617	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100500069 C	20090617	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100500069 C	20260731	PEXP		Calculated Patent Term Expiry	
CN1903109 A	20070131	LSPB	+	published / reissued	
CN1903109 A	20070131	LSPB	+C06	PUBLICATION	
CO5780125 A1	20070731	LSPB	+	published / reissued	
DE602005020439 D1	20110428	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EG24454 A	20090714	LSGT	+	granted / extensions (spc, cpc, pte)	
EG24454 A	20260730	PEXP		Calculated Patent Term Expiry	
EP1747746 A1	20070131	LSPB	+	published / reissued	
EP1747746 A1	20070822	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070711
EP1747746 A1	20070912	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20070810
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EP1747746 B1	20100415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1747746 B1	20100512	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1747746 B1	20100701	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP1747746 B1	20100728	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20100407
EP1747746 B1	20100805	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2343637 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
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EP1747746 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100407
EP1747746 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE

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EP1747746 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100407
EP1747746 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100731
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EP1747746 B1	20110316	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20110110
EP1747746 B1	20110429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100731
EP1747746 B1	20110429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100731
EP1747746 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100729
EP1747746 B1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100407
EP1747746 B1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100729
EP1747746 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100707
EP1747746 B1	20160613	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 12
EP1747746 B1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160616 YEAR OF FEE PAYMENT : 12
EP1747746 B1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160627

				OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 12
EP1747746 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160726 YEAR OF FEE PAYMENT : 12
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EP1747746 B1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160726 YEAR OF FEE PAYMENT : 12
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EP1747746 B1	20170727	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170830 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170725 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170728 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170727 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170705 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170721 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170721 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170713 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170920 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID	COUNTRY OF REF DOCUMENT : PT

				TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20170712 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170720 YEAR OF FEE PAYMENT : 13
EP1747746 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170727 YEAR OF FEE PAYMENT : 13
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EP1747746 B1	20180726	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
EP1747746 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180828 YEAR OF FEE PAYMENT : 14
EP1747746 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180703 YEAR OF FEE PAYMENT : 14
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EP1747746 B1	20181231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20180710 YEAR OF FEE PAYMENT : 14
EP1747746 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180928 YEAR OF FEE PAYMENT : 14
EP1747746 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180729

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EP1747746 B1	20250729	PEXP		Calculated Patent Term Expiry	
ES2343637 T3	20100805	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2343637 T3	20250729	PEXP		Calculated Patent Term Expiry	
HK1095253 A1	20070504	LSPB	+	published / reissued	
HK1095253 A1	20100903	LSPB	+	published / reissued	
HK1095253 A1	20270320	PEXP		Calculated Patent Term Expiry	
HK1095253 A1	20270320	PEXP		Calculated Patent Term Expiry	
HK1095253 A3	20070504	LSPB	+	published / reissued	
HK1095253 B	20100903	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1095253 B	20270320	PEXP		Calculated Patent Term Expiry	
KR101279879 B1	20130701	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101279879 B1	20160527	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20160527 YEAR OF FEE PAYMENT : 4
KR101279879 B1	20170616	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170616 YEAR OF FEE PAYMENT : 5
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KR101279879 B1	20260728	PEXP		Calculated Patent Term Expiry	
KR20070015065 A	20070201	LSPB	+	published / reissued	
KR20070015065 A	20110706	LSES	A201	REQUEST FOR EXAMINATION	
KR20070015065 A	20130516	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20070015065 A	20130624	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
PT1747746 T	20100701	LSGT	+	granted / extensions (spc, cpc, pte)	
PT1747746 T	20250729	PEXP		Calculated Patent Term Expiry	
RU2006127487 A	20080210	LSPB	+	published / reissued	
RU2336799 C2	20081027	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2336799 C2	20260728	PEXP		Calculated Patent Term Expiry	
US2007201944 AA	20070830	LSPB	+	published / reissued	
US2007201944 AA	20101110	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7841486 BB	20101130	LSGT	+	granted / extensions (spc, cpc, pte)	
US7841486 BB	20061009	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LA TERMOPLASTIC F.B.M. - S.R.L., ITALY OLDPARTY : ASSIGNMENT OF

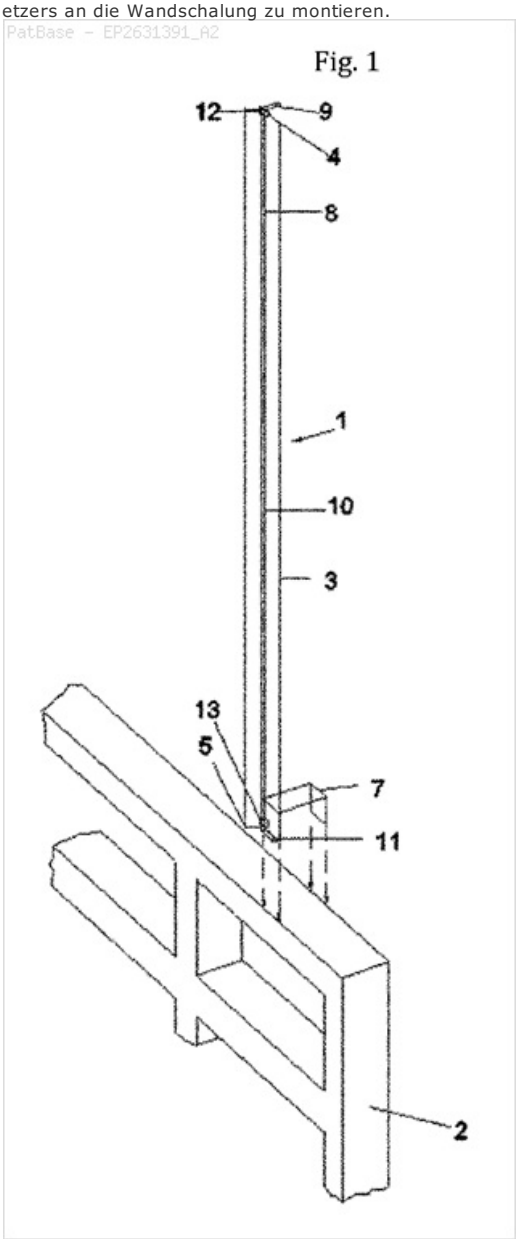
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US7841486 BB	20101110	LSGT	PAT1	Patented Case	
US7841486 BB	20140430	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7841486 BB	20180522	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7841486 BB	20280329	PEXP		Calculated Patent Term Expiry (PTA 612 days)	

82) Family number: 54600823 (EP2631391A3)

Title: GUIDE RAIL SUPPORTS WITH A ROTATING LOCK STOP SUPPORT DE GARDE-FOU DOTE D'UN SYSTEME DE BLOCAGE A V

Abstract: Source: EP2631391A3 [DE] Bei Betonierungsarbeiten muessen auf den Schalungselementen Absturzsicherungen im Sinne von Gegengelaendern verwendet werden. Im Unterschied zu herkoemmlichen Absturzsicherungssystemen zeichnet sich diesen neue technische Loesung dadurch aus, dass sich der Gelaenderhalter (1) einfach und sicher an den oberen Rand eines Wandschalungselementes (2) montieren laesst. Die Drehverschlussarretierung erlaubt, den Gelaenderhalter technisch einfach, sicher, schnell effizient und in aufrechtstehender Koerperhaltung des Benuetzers an die Wandschalung zu montieren.

Classifications:
International (IPC 8-9): E04G17/00 E04G21/32
E04G5/00 (Advanced/Invention)
CPC: E04G17/002



Family:

Publication number	Publication date	Application number	Application date
CH706180 A2	20130830	CH20120000228	20120222
CH706180 B1	20160729	CH20120000228	20120222
EP2631391 A2	20130828	EP20130156479	20130222
EP2631391 A3	20141022	EP20130156479	20130222

Priority:

CH20120000228 20120222

Probable Assignee: BAUTOOL AG

Assignee(s): (std): BAUTOOL AG

Agent(s): HERRMANN JOHANNA

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

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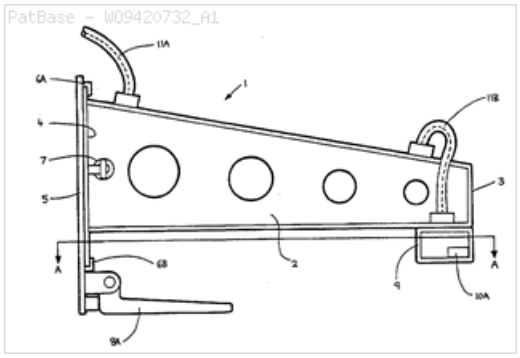
Patent	Date recorded	Event group	Code	Event	Details
CH706180 A2	20130830	LSPB	+	published / reissued	
CH706180 B1	20160729	LSGT	+	granted / extensions (spc, cpc, pte)	
CH706180 B1	20180831	LSAS	PUE	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ERNE AG BAUUNTERNEHMUNG, CH OLDPARTY : FORMER OWNER: BAUTOOL AG, CH
CH706180 B1	20320222	PEXP		Calculated Patent Term Expiry	
EP2631391 A2	20130828	LSPB	+	published / reissued	
EP2631391 A3	20141022	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E04G 17/00 20060101AFI20140917BHEP
EP2631391 A3	20141022	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E04G 21/32 20060101ALI20140917BHEP
EP2631391 A3	20151125	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20150423

83) Family number: 8460826 (WO9420732A1)

Title: MINING PAN **HANDLING** DEVICE

Abstract: A mining pan **handling** device (1) for armoured face conveyors adapted to install or remove one or more such pans (13) to or from a mining face, which device comprises: a) a carrying frame (2, 4) supported movably by b) attachment means (5) adapted to connect the carrying frame to a mining transport vehicle; c) first support means (8A, 8B) connected to the carrying frame for insertion beneath or into an intermediate region in the structure of a pan or pans to support it or them from the bottom or intermediate region thereof; and d) second support means (9, 10A, 10B) connected to the carrying frame at a region distal from the first support means for insertion beneath or into an intermediate region in the structure of the pan or pans to support it or them from the bottom or intermediate region thereof.

Classifications:
International (IPC 8-9): B66F9/18 E21F13/08 (Advanced/Invention); B66F9/18 E21F13/00 (Core/Invention)
International (IPC 1-7): B66F9/18 E21F13/08 E21F13/08
CPC: E21F13/086
European: E21F13/08Z



Family:

Publication number	Publication date	Application number	Application date
AU199462785 A1	19940926	AU19940062785	19940311
AU680482 B2	19970731	AU19940062785	19940311
GB2291400 A1	19960124	GB19950018146	19940311
GB2291400 B2	19961030	GB19950018146	19940311
GB9518146 A0	19951115	GB19950018146	19940311
WO9420732 A1	19940915	WO1994AU00119	19940311

Priority:
AU1993PL07740 19930311 AU19940062785 19940311 WO1994AU00119 19940311

Probable Assignee: ROBERTS ENGINEERING PTY LTD
Assignee(s): (std): ROBERTS DAVID JOHN ; ROBERTS ENGINEERING PTY LTD
Inventor(s): (std): ROBERTS DAVID JOHN
Inventor(s): DAVID JOHN ROBERTS
Designated states: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199462785 A1	19940926	LSPB	+	published / reissued	
AU680482 B2	19970731	LSGT	+	granted / extensions (spc, cpc, pte)	
AU680482 B2	20140311	PEXP		Calculated Patent Term Expiry	
GB2291400 A1	19960124	LSPB	+	published / reissued	
GB2291400 B2	19961030	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2291400 B2	19981104	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 19980311
GB2291400 B2	20140311	PEXP		Calculated Patent Term Expiry	
WO9420732 A1	19940915	LSPB	+	published / reissued	
WO9420732 A1	19950911	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 1995 522251 COUNTRY OF REF DOCUMENT : US DATE OF REF DOCUMENT : 19950911 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO9420732 A1	19960118	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE

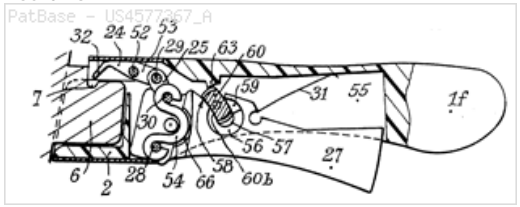
					REF LEGAL EVENT CODE : 8642
WO9420732 A1	19961111	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA

84) Family number: 29556828 (US4577367A)

Title: DETACHABLE HANDLE INCLUDING A SPRING-BIASED PIVOTING LOCKING MEMBER

Abstract: A device for fitting and locking a handle to the body of a kitchen utensil comprises an end piece formed on the lateral wall of the body of the utensil, and a housing provided in the connecting end of the handle and into which the end piece can be inserted with a loose fit. The locking of the handle to the end piece is effected by a pivoting piece and an associated actuating structure, both mounted in the housing, for causing the pivoting piece to pivot. The upper face of the end piece has a notch, the pivoting piece has an end curved in the shape of a nose for insertion into the notch of the end piece, and the actuating structure for the pivoting piece is adapted selectively to bring the curved end of the latter into or out of the notch so as to lock or unlock the pivoting piece in this position during fitting or removal of the handle. The locking force may be applied via a toggle joint, and an unlocking push button may further be provided to form a safety clamping mechanism.

Classifications:
International (IPC 8-9): A47J27/00 A47J37/10 A47J45/07 (Advanced/Invention); A47J27/00 A47J37/10 A47J45/00 (Core/Invention)
International (IPC 1-7): A47J37/10 A47J45/07 B25G3/18
CPC: A47J45/07 Y10S16/24 A47J45/071 Y10T403/608
European: A47J45/07 A47J45/07A
US: 16/114A 16/DIG.24 220/759 403/330



Family:

Publication number	Publication date	Application number	Application date
AT25576 E	19870315	AT19840400364T	19840223
DE3462430 D1	19870409	DE19843462430	19840223
EP0118353 A1	19840912	EP19840400364	19840223
EP0118353 B1	19870304	EP19840400364	19840223
ES277959 U	19850416	ES19840277959U	19840228
ES277959 Y	19851116	ES19840277959U	19840228
ES277959 Y1	19851226	ES19840277959U	19840228
FR2541573 A1	19840831	FR19830003235	19830228
FR2541573 B1	19860221	FR19830003235	19830228
FR2552317 A2	19850329	FR19830015398	19830928
FR2552317 B2	19881230	FR19830015398	19830928
JP1888788 C3	19941207	JP19840035857	19840227
JP59164024 A2	19840917	JP19840035857	19840227
JP6016740 B4	19940309	JP19840035857	19840227
US4577367 A	19860325	US19840584243	19840227

Priority:

FR19830003235 19830228 FR19830015398 19830928 EP19840400364 19840223

Probable Assignee: VERRERIE CRISTALLERIE D ARQUES JG DURAND AND CIE

Assignee(s): (std): ARQUES VERRERIE CRISTALLERIE ; BERERII KURISUTARERII DARUKU J ; BERURI KURISUTARURI DARUKU JII ; VERRERIE CRISTALLERIE D ARQUES J G DURAND AND CIE ; VERRERIE AND CRISTALLERIE

Assignee(s): VERRERIE CRISTALLERIE D ARQUES JG DURAND AND CIE ; VERRERIE CRISTALLERIE D'ARQUES JG DURAND AND CIE ; VERRERIE CRISTALLERIE D ARQUES J G DURAND AND CIE SOCIETE EN COMMANDITE PAR ACTIONS ; VERRERIE CRISTALLERIE D ARQUES JG DURAND AND CIE SOC EN COMMANDITE PAR ACTIONS ; BERURI KURISUTARURI DARUKU JII JEE DEYURAN E CO ; RERIE CRISTALLERIE D ARQUES JG DURAND AND ; BERERII KURISUTARERII DARUKU JI JIE DOURAN E CO

Inventor(s): (std): DURAND PHILIPPE ; FUIRITSUPU DORAN ; FUIRITSUPU DOURAN ; PHILIPPE DURAND

Designated states: AT BE CH DE FR GB IT LI LU NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT25576 E	19870315	LSGT	+	granted / extensions (spc, cpc, pte)	
AT25576 E	20040223	PEXP		Calculated Patent Term Expiry	
DE3462430 D1	19880407	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3462430 D1	20010322	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0118353 A1	19840912	LSPB	+	published / reissued	
EP0118353 A1	19841010	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19840803
EP0118353 A1	19860723	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : VERRERIE CRISTALLERIE D'ARQUES J.G. DURAND & CIE

EP0118353 B1	19870304	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0118353 B1	19870304	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT LAPSED DATE : 19870304
EP0118353 B1	19880302	LSGT	+26N	NO OPPOSITION FILED	
EP0118353 B1	19890228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR LAPSED DATE : 19890228
EP0118353 B1	19910228	LSFE	ITTA	IT: LAST PAID ANNUAL FEE	REF COUNTRY CODE : EP
EP0118353 B1	19910405	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0118353 B1	19940307	LSFE	+EPTA	LU: LAST PAID ANNUAL FEE	REF COUNTRY CODE : EP
EP0118353 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 84400364.0
EP0118353 B1	19950201	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 19950201 YEAR OF FEE PAYMENT : 12
EP0118353 B1	19950228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 19950228 YEAR OF FEE PAYMENT : 12
EP0118353 B1	19950228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 19950228 YEAR OF FEE PAYMENT : 12
EP0118353 B1	19950307	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 19950307 YEAR OF FEE PAYMENT : 12
EP0118353 B1	19960223	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19960223
EP0118353 B1	19960224	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19960224
EP0118353 B1	19960229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI LAPSED DATE : 19960229
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EP0118353 B1	19961015	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
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EP0118353 B1	20001201	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT

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EP0118353 B1	20010313	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20010313 YEAR OF FEE PAYMENT : 18
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EP0118353 B1	20020228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20020228
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EP0118353 B1	20021016	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20020223
ES277959 U	19850416	LSPB	+	published / reissued	
ES277959 Y	19851116	LSGT	+	granted / extensions (spc, cpc, pte)	
ES277959 Y	19940228	PEXP		Calculated Patent Term Expiry	
ES277959 Y1	19851226	LSGT	+	granted / extensions (spc, cpc, pte)	
ES277959 Y1	19940228	PEXP		Calculated Patent Term Expiry	
FR2541573 A1	19840831	LSPB	+	published / reissued	
FR2541573 B1	19860221	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2541573 B1	20030228	PEXP		Calculated Patent Term Expiry	
JP1888788 C3	19941207	LSGT	+	granted / extensions (spc, cpc, pte)	
JP1888788 C3	20040227	PEXP		Calculated Patent Term Expiry	
JP59164024 A2	19840917	LSPB	+	published / reissued	
JP6016740 B4	19940309	LSPB	+	published / reissued	
US4577367 A	19860325	LSGT	+	granted / extensions (spc, cpc, pte)	
US4577367 A	19840423	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VERRERIE CRISTALLERIE D'ARQUES J.G. DURAND & CIE 6 OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:DURAND, PHILIPPE; REEL/FRAME:004247/0751 EFFECTIVE DATE : 19840213
US4577367 A	19860123	LSGT	PAT1	Patented Case	
US4577367 A	19860123	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4577367 A	19890821	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

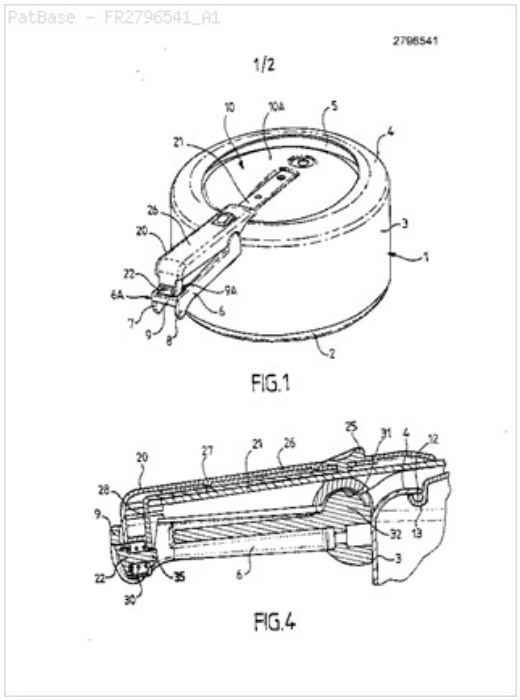
US4577367 A	19930722	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4577367 A	19970924	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12

85) Family number: 12126849 (FR2796541A)

Title: Automatic locking/unlocking device for pressure cooker with retractable lid comprises cam and stop fixed to lid and pan **handles** and manual control on lid handle connected to cam

Abstract: The pressure cooker comprises a retractable lid with a handle (20) and a cooking pan (6). The lid locking/unlocking means comprising a cam (22) and a stop (9) fixed to the lid and pan **handles** respectively. The locking/unlocking means has a manual control unlocking part (25) movable on the lid handle. This control is mechanically connected to the cam by a puller (27) so that the user can ensure unlocking.

Classifications:
International (IPC 8-9): A47J27/00 A47J27/08 (Advanced/Invention); A47J27/08 (Core/Invention)
International (IPC 1-7): A47J27/08 A47J27/09
CPC: A47J27/0815
European: A47J27/08L10



Family:

Publication number	Publication date	Application number	Application date
AR024792 AA	20021023	AR2000P103706	20000719
BRPI0004126 A	20010313	BR2000PI04126	20000720
BRPI0004126 B1	20100406	BR2000PI04126	20000720
CN1148142 C	20040505	CN20001021332	20000720
CN1281672 A	20010131	CN20001021332	20000720
FR2796541 A1	20010126	FR19990009759	19990723
FR2796541 B1	20010831	FR19990009759	19990723
IN00680MU2000 A	20050701	IN2000MU00680	20000720
IT1315476 B1	20030218	IT2000VI00155	20000721
ITVI20000155 A0	20000721	IT2000VI00155	20000721
ITVI20000155 A1	20020121	IT2000VI00155	20000721
RU2000119655 A	20021020	RU20000119655	20000721

Priority:
FR19990009759 19990723

Probable Assignee: SEB SA
Assignee(s): (std): SEB S A LES 4 M ; SEB SA
Assignee(s): SEB S A
Inventor(s): (std): MANCHON DIDIER LOUIS AUGUSTE ; DIDIER LOUIS AUGUSTE MANCHON ; AUGUSTE MANCHON DIDIER LOUIS ; MANCHE D L A
Inventor(s): D L A MANCHE ; DLA MANCHE ; LOUIS AUGUSTE MANCHON DIDIER
Agent(s): CABINET DIDIER MARTIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR024792 AA	20021023	LSPB	+	published / reissued	
BRPI0004126 A	20010313	LSPB	+	published / reissued	
BRPI0004126 A	20090526	LSRV	-B11B	DISMISSAL ACC. ART. 36, PAR 1 OF IPL - NO REPLY WITHIN 90 DAYS TO	

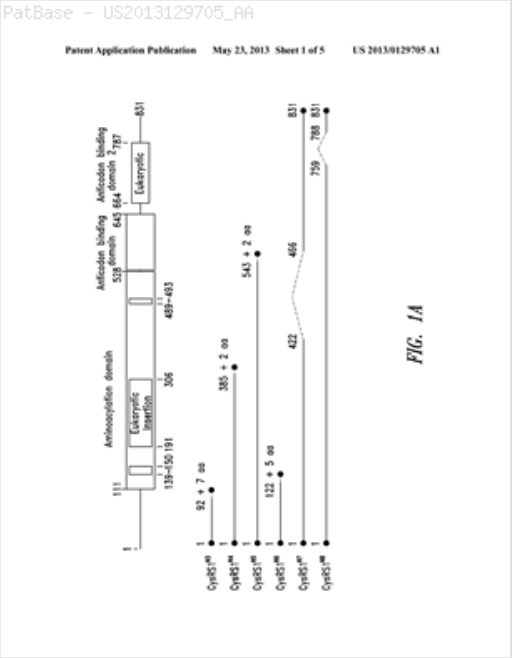
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BRPI0004126 A	20090728	LSRE	+B11M	DISMISSAL: DECISION CANCELLED	TEXT : ANULACAO DO ARQUIVAMENTO DO PEDIDO PUBLICADO NA RPI NO 2003 DE 26/05/2009 POR TER SIDO O MESMO INDEVIDO.
BRPI0004126 A	20090901	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0004126 B1	20100406	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	TEXT : PRAZO DE VALIDADE: 20 (VINTE) ANOS CONTADOS A PARTIR DE 20/07/2000, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0004126 B1	20200720	PEXP		Calculated Patent Term Expiry	
CN1148142 C	20040505	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1148142 C	20040505	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1148142 C	20101006	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN1148142 C	20200720	PEXP		Calculated Patent Term Expiry	
CN1281672 A	20010131	LSPB	+	published / reissued	
CN1281672 A	20010131	LSPB	+C06	PUBLICATION	
FR2796541 A1	20010126	LSPB	+	published / reissued	
FR2796541 A1	20150731	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 17
FR2796541 A1	20170428	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20170331
FR2796541 B1	20010831	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2796541 B1	20150731	LSFE	PLFP	Fee Payement (FEE PAYMENT)	PAYMENT DATE : 20150731 YEAR OF FEE PAYMENT : 17
FR2796541 B1	20160801	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2796541 B1	20190723	PEXP		Calculated Patent Term Expiry	
IN00680MU2000 A	20050701	LSPB	+	published / reissued	
IT1315476 B1	20030218	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1315476 B1	20200721	PEXP		Calculated Patent Term Expiry	
ITVI20000155 A1	20020121	LSPB	+	published / reissued	
RU2000119655 A	20021020	LSPB	+	published / reissued	

86) Family number: 49917875 (US2013129705A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF CYSTEINYL-TRNA SYNTHETASE

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K31/713 A61K38/16 A61K38/17 A61K38/43 A61K38/53 A61K39/39 A61K39/395 A61K45/00 A61K48/00 A61K49/00 A61P1/18 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P31/00 A61P35/00 A61P37/00 A61P43/00 A61P9/00 C07C11/167 C07K16/40 C07K19/00 C12M1/00 C12M3/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/52 C12N15/70 C12N5/10 C12N9/00 C12N9/96 C12Q1/25 C12Q1/68 G01N33/573 (Advanced/Invention); A61K38/00 A61K39/00 C07K16/40 C12N9/00 (Advanced/Non-invention)
CPC: C07K2317/76 G01N33/573 C12Y601/01016 A61K38/00 G01N2333/9015 A61K39/39591 A61K2039/505 C07K2317/24 C07K2317/34 C07K16/40 C12N9/93
European: C07K16/40 C12N9/93 M07K317/760
US: 424/94.5 435/135 435/183 435/188 435/375 435/7.1 435/7.4 530/387.9



Family:

Publication number	Publication date	Application number	Application date
AU2011248625 AA	20111110	AU20110248625	20110426
AU2011248625 BB	20170105	AU20110248625	20110426
CA2797093 AA	20121022	CA20112797093	20110426
CN103118692 A	20130522	CN201180030158	20110426
DE602011048857 D1	20180628	DE201160048857T	20110426
EP2563380 A2	20130306	EP20110777925	20110426
EP2563380 A4	20140416	EP20110777925	20110426
EP2563380 B1	20180530	EP20110777925	20110426
IN09668CN2012 A	20141219	IN2012CN09668	20121115
JP2013532956 T2	20130822	JP20130508169T	20110426
JP6066900 B2	20170125	JP20130508169T	20110426
US2013129705 AA	20130523	US20110643755	20110426
US2015284704 AA	20151008	US20150616015	20150206
US2017190791 AA	20170706	US20160363084	20161129
US2019062454 AA	20190228	US20180012511	20180619
US8980253 BB	20150317	US20110643755	20110426
US9540629 BB	20170110	US20150616015	20150206
US10030077 BB	20180724	US20160363084	20161129
WO11139714 A2	20111110	WO2011US33988	20110426
WO11139714 A3	20120405	WO2011US33988	20110426

Priority:

US20100328079P 20100426 US20100328087P 20100426 US20100328081P 20100426
EP20110777925 20110426 US20110643755 20110426 WO2011US33988 20110426
US20130643755 20130207 US20150616015 20150206 US20160363084 20161129
US20180012511 20180619

Probable Assignee: ATYR PHARMA INC

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Assignee(s): ATYR PHARMA INC SAN DIEGO ; PANGU BIOPHARMA LIMITED

Inventor(s): (std): MENDLEIN JOHN D ; VASSEROT ALAIN P ; QUINN CHERYL L ; LO WING SZE ; VASSEROT ALAIN PHILIPPE ; HONG FEI ; GREENE LESLIE ANN ; CHIANG KYLE P ; WATKINS JEFFRY D ; WATKINS JEFFRY DEAN

Inventor(s): WATKINS JEFFRY D ENCINITAS ; CHIANG KYLE P CARDIFF ; GREENE LESLIE ANN SAN DIEGO ; HONG FEI SAN DIEGO ; VASSEROT ALAIN P CARLSBAD ; MENDLEIN JOHN D ENCINITAS ; QUINN CHERYL L MINNEAPOLIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; COOLEY

LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011248625 AA	20111110	LSPB	+	published / reissued	
AU2011248625 AA	20170504	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011248625 BB	20170105	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248625 BB	20310426	PEXP		Calculated Patent Term Expiry	
CA2797093 AA	20121022	LSPB	+	published / reissued	
CA2797093 AA	20160419	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160407
CN103118692 A	20130522	LSPB	+	published / reissued	
CN103118692 A	20130522	LSPB	+C06	PUBLICATION	
CN103118692 A	20171124	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
EP2563380 A2	20130306	LSPB	+	published / reissued	
EP2563380 A2	20130306	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121112
EP2563380 A4	20140416	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140318
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EP2563380 A4	20171227	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 3/00 20060101ALI20171121BHEP
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EP2563380 A4	20171227	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 35/00 20060101ALI20171121BHEP
EP2563380 A4	20171227	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/16 20060101AFI20171121BHEP
EP2563380 A4	20171227	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 29/00 20060101ALI20171121BHEP
EP2563380 A4	20180103	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20171208
EP2563380 B1	20180530	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP2563380 B1	20180531	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
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EP2563380 B1	20180627	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2563380 B1	20180628	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011048857 COUNTRY OF REF DOCUMENT : DE
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EP2563380 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180530
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EP2563380 B1	20181215	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 1002898 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180530
EP2563380 B1	20181231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180530
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EP2563380 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180530
EP2563380 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180530
EP2563380 B1	20190301	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011048857 COUNTRY OF REF DOCUMENT : DE
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EP2563380 B1	20310426	PEXP		Calculated Patent Term Expiry	
IN09668CN2012 A	20141219	LSPB	+	published / reissued	
JP2013532956 T2	20130822	LSPB	+	published / reissued	
JP2013532956 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013532956 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013532956 T2	20150706	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150703
JP2013532956 T2	20151029	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151029
JP2013532956 T2	20151117	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20151029

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JP2013532956 T2	20160803	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160803
JP2013532956 T2	20161129	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013532956 T2	20161202	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20161202
JP2013532956 T2	20170105	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20161220
JP2013532956 T2	20170106	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6066900 COUNTRY OF REF DOCUMENT : JP
JP6066900 B2	20170125	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6066900 B2	20161208	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6066900 B2	20161227	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6066900 B2	20170106	LSGT	+R150	特許証 (Patent certificate)	
JP6066900 B2	20310426	PEXP		Calculated Patent Term Expiry	
US10030077 BB	20180724	LSGT	+	granted / extensions (spc, cpc, pte)	
US10030077 BB	20170328	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:042107/0824
US10030077 BB	20170328	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:042107/0837 EFFECTIVE DATE : 20121221
US10030077 BB	20180704	LSGT	PAT1	Patented Case	
US10030077 BB	20361129	PEXP		Calculated Patent Term Expiry	
US2013129705 AA	20130523	LSPB	+	published / reissued	
US2013129705 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013129705 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE;

					REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013129705 AA	20150225	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015284704 AA	20151008	LSPB	+	published / reissued	
US2015284704 AA	20151123	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:037119/0858
US2015284704 AA	20151123	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:037119/0827 EFFECTIVE DATE : 20121221
US2015284704 AA	20161221	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017190791 AA	20170706	LSPB	+	published / reissued	
US2017190791 AA	20170601	LSES	NFA1	Non Final Action Mailed	
US2017190791 AA	20180417	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017190791 AA	20180621	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017190791 AA	20180704	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019062454 AA	20190228	LSPB	+	published / reissued	
US2019062454 AA	20190206	LSES	NFA1	Non Final Action Mailed	
US2019062454 AA	20190607	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:049412/0862
US2019062454 AA	20190607	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:049412/0877 EFFECTIVE DATE : 20121221
US8980253 BB	20150317	LSGT	+	granted / extensions (spc, cpc, pte)	
US8980253 BB	20150225	LSGT	PAT1	Patented Case	
US8980253 BB	20180917	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8980253 BB	20310706	PEXP		Calculated Patent Term Expiry (PTA 71 days)	
US9540629 BB	20170110	LSGT	+	granted / extensions (spc, cpc, pte)	
US9540629 BB	20161221	LSGT	PAT1	Patented Case	

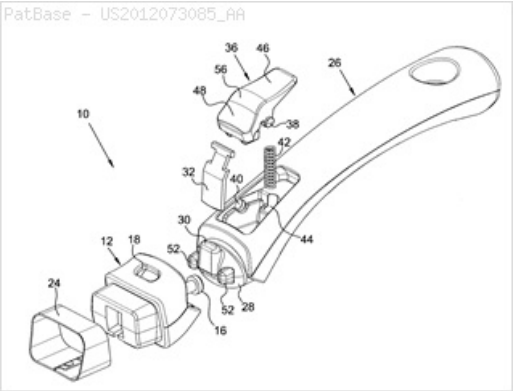
US9540629 BB	20350206	PEXP		Calculated Patent Term Expiry	
WO11139714 A2	20111110	LSPB	+	published / reissued	
WO11139714 A2	20110426	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180030158.8 COUNTRY OF REF DOCUMENT : CN
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WO11139714 A3	20121022	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2797093 COUNTRY OF REF DOCUMENT : CA
WO11139714 A3	20121026	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11139714 A3	20121112	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011777925 COUNTRY OF REF DOCUMENT : EP
WO11139714 A3	20121115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 9668/CHENP/2012 COUNTRY OF REF DOCUMENT : IN
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WO11139714 A3	20130207	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13643755 COUNTRY OF REF DOCUMENT : US

87) Family number: 47485889 (US2012073085A)

Title: SYSTEM FOR ATTACHING AND RELEASING THE HANDLE OF A CONTAINER FOR COOKING FOOD

Abstract: The invention describes a system (10) for attaching and releasing the handle of a container (14) for cooking food, in particular for a frying pan, comprising a base portion (12) and a handle portion (26) respectively provided with mutual attachment and release means (18, 20, 22; 28, 30, 32). Both the base portion (12) and the handle portion (26) as a whole are respectively made in a single piece from heat-resistant plastic material. The handle portion (26) as a whole is rotatable and removable with respect to the base portion (12) to obtain the attachment and/or release of the handle portion (26) with respect to the base portion (12) and thus with respect to the container (14) following the actuation of a release button (36) foreseen on the aforementioned handle portion (26) and capable of activating at least part of the aforementioned attachment means (18, 20, 22; 28, 30, 32).

Classifications:
International (IPC 8-9): A47J A47J45/07 A47J45/08 (Advanced/Invention); A47J (Subclass/Invention)
CPC: Y10T16/469 Y10T16/4707 Y10T16/48 A47J45/071 A47J45/07 A47J45/00
European: A47J45/07A
US: 16/422 16/425 16/425P 16/431 220/753 220/759



Family:

Publication number	Publication date	Application number	Application date
BRPI1007752 A2	20180206	BR2010PI07752	20100419
CN102421345 A	20120418	CN201080018098	20100419
CN102421345 B	20141126	CN201080018098	20100419
CO6470835 A2	20120629	CO20110162393	20111125
DE602010005961 D1	20130529	DE201060005961T	20100419
DK2424415 T3	20130708	DK20100724572T	20100419
EG26495 A	20131222	EG20110101804	20111025
EP2424415 A1	20120307	EP20100724572	20100419
EP2424415 B1	20130403	EP20100724572	20100419
ES2418535 T3	20130814	ES20100724572T	20100419
HK1166454 A1	20130726	HK20120107112	20120719
HK1166454 A1	20121102	HK20120107112	20120719
HK1166454 B	20130726	HK20120107112	20120719
IN08014CN2011 A	20121228	IN2011CN08014	20111102
IN301354 B	20180928	IN2011CN08014	20111102
IT1393952 B1	20120517	IT2009MI00713	20090427
ITMI20090713 A1	20101028	IT2009MI00713	20090427
JP2012525187 T2	20121022	JP20120507834T	20100419
JP5662419 B2	20150128	JP20120507834T	20100419
KR101676513 B1	20161115	KR20117026460	20100419
KR20120025460 A	20120315	KR20117026460	20100419
MX2011011509 A1	20120130	MX20110011509	20100419
PT2424415 T	20130710	PT20100724572T	20100419
RU2011143467 A	20130610	RU20110143467	20100419
RU2526098 C2	20140820	RU20110143467	20100419
US2012073085 AA	20120329	US20100138876	20100419
US8484805 BB	20130716	US20100138876	20100419
WO10125437 A1	20101104	WO2010IB00905	20100419

Priority:

IT2009MI00713 20090427 EP20100724572 20100419 WO2010IB00905 20100419

Probable Assignee: LA TERMOPLASTIC FBM SRL

Assignee(s): (std): LA TERMOPLASTIC F B M S A ; LA TERMOPLASTIC F B M S R L ; TERMOPLASTIC F M B S R L ; TERMOPLASTIC FBMSRL ; TERMOPLASTIC FBM SRL ; MUNARI MARCO

Assignee(s): LA TERMOPLASTIC FBM SRL ; LA TERMOPLASTIC FBMSRL ; LA TERMOPLASTIC FMB SRL ; LA TERMOPLASTIC FBM SRL ARSAGO SEPRIO ; LA TERMOPLASTIC F M B S R L ; LA TERMOPLASTIC FBM S A

Inventor(s): (std): MUNARI MARCO ; MARCO MUNARI

Agent(s): WAGNER AND GEYER PARTNERSCHAFT MBB PATENT U RECHTSANWAELTE; LOTTI GIORGIO; CURELL MIREIA; ELLA CHEONG HONG KONG LTD; HEDMAN AND COSTIGAN PC; JAMES V; BRANCA EMANUELA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN102421345 A	20120418	LSPB	+	published / reissued	
CN102421345 A	20120418	LSPB	+C06	PUBLICATION	
CN102421345 B	20141126	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102421345 B	20141126	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102421345 B	20300419	PEXP		Calculated Patent Term Expiry	
CO6470835 A2	20120629	LSPB	+	published / reissued	
CO6470835 A2	20130826	LSGT	+FG	APPLICATION GRANTED	
DK2424415 T3	20130708	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2424415 T3	20300419	PEXP		Calculated Patent Term Expiry	
EG26495 A	20131222	LSGT	+	granted / extensions (spc, cpc, pte)	
EG26495 A	20311025	PEXP		Calculated Patent Term Expiry	
EP2424415 A1	20120307	LSPB	+	published / reissued	
EP2424415 A1	20120307	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111013
EP2424415 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160318 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160314 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7

				NATIONAL OFFICE TO EPO]	
EP2424415 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160413 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160419 YEAR OF FEE PAYMENT : 7
EP2424415 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2424415 B1	20130403	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2424415 B1	20130403	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2424415 B1	20130415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 604170 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130415
EP2424415 B1	20130415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2424415 B1	20130508	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2424415 B1	20130529	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602010005961 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130529
EP2424415 B1	20130726	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1166454 COUNTRY OF REF DOCUMENT : HK
EP2424415 B1	20130812	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130403
EP2424415 B1	20130814	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2418535 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20130814

EP2424415 B1	20130815	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 604170 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130403
EP2424415 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20130904	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2424415 B1	20130925	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2424415 B1	20131001	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130401310 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20130829
EP2424415 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130803
EP2424415 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130703
EP2424415 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-

				EPO]	LIMIT LAPSED DATE : 20130403
EP2424415 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20140129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2424415 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20140312	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140106
EP2424415 B1	20140417	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602010005961 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140106
EP2424415 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130419
EP2424415 B1	20141128	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2424415 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140430
EP2424415 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140430
EP2424415 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE

				NATIONAL OFFICE TO EPO]	WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20100419
EP2424415 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130403
EP2424415 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130419
EP2424415 B1	20160309	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2424415 B1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170322 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170412 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170317 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170419 YEAR OF FEE PAYMENT : 8

				EPO]	
EP2424415 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170411 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170411 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170412 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170411 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170418 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170410 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170403 YEAR OF FEE PAYMENT : 8
EP2424415 B1	20180315	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180329 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20180312 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180315 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20180312 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180629	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180412 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20180410 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20180404 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20180410 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180503 YEAR OF FEE PAYMENT : 9

EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20180410 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20180416 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180404 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20180416 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180411 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20180928	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20180411 YEAR OF FEE PAYMENT : 9
EP2424415 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190313 YEAR OF FEE PAYMENT : 10
EP2424415 B1	20300419	PEXP		Calculated Patent Term Expiry	
ES2418535 T3	20130814	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2418535 T3	20300419	PEXP		Calculated Patent Term Expiry	
HK1166454 A1	20121102	LSPB	+	published / reissued	
HK1166454 A1	20130726	LSPB	+	published / reissued	
HK1166454 A1	20320719	PEXP		Calculated Patent Term Expiry	
HK1166454 A1	20320719	PEXP		Calculated Patent Term Expiry	
HK1166454 B	20130726	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1166454 B	20320719	PEXP		Calculated Patent Term Expiry	
IN08014CN2011 A	20121228	LSPB	+	published / reissued	
IN301354 B	20180928	LSGT	+	granted / extensions (spc, cpc, pte)	
IN301354 B	20311102	PEXP		Calculated Patent Term Expiry	
IT1393952 B1	20120517	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1393952 B1	20290427	PEXP		Calculated Patent Term Expiry	
ITMI20090713 A1	20101028	LSPB	+	published / reissued	
JP2012525187 T2	20121022	LSPB	+	published / reissued	
JP2012525187 T2	20130323	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20130322
JP2012525187 T2	20140204	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20140203
JP2012525187 T2	20140503	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140502
JP2012525187 T2	20141028	LSGT	+TRDD	DECISION OF GRANT	

				OR REJECTION WRITTEN	
JP2012525187 T2	20141105	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20141104
JP2012525187 T2	20141211	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20141204
JP2012525187 T2	20141212	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5662419 COUNTRY OF REF DOCUMENT : JP
JP5662419 B2	20150128	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5662419 B2	20141106	LSGT	+A01	特許査定書 (Decision of patent grant)	
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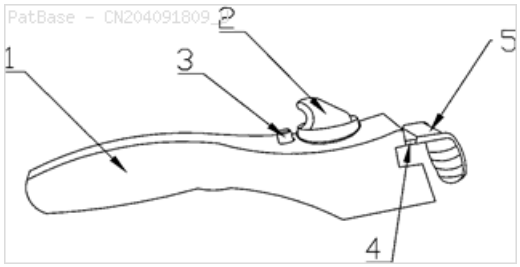
88) Family number: 58247909 (CN204091809U)

Title: PAN **HANDLE** CAPABLE OF BEING MOVABLY SEPARATED

Abstract: The utility model relates to a pan **handle** capable of being movably separated. The pan **handle** capable of being movably separated comprises a handle body, a press button and a clamping portion, wherein the press button is provided with a guiding pillar and is installed in a press button hole in the handle body through an installation hole, a spring I is installed inside the press button, the handle body is further provided with a bolt hole, the clamping portion comprises a clamping piece and a locking unit, the locking unit and the handle body are fixed through the bolt hole, the clamping piece comprises a vertical plate, a horizontal plate and an arc clamping plate which are connected in sequence, the horizontal plate is provided with an adjusting hole, the locking unit penetrates through the adjusting hole and is fixedly connected with a working plane of the vertical plate through a connecting rod, and the other working plane of the vertical plate is connected with an inner cavity wall of the handle body through a limiting spring. The pan **handle** capable of being movably separated is simple in structure, reasonable in design, and flexible to install and detach, the clamping portion is novel in design, the matching function between a pan body and the handle body is achieved through the arc clamping plate under the joint action of the press button and a screwing part, and the pan **handle** capable of being movably separated is firm in **fixation**, enables a pan to be packaged, transported, carried, placed, cleaned and stored conveniently, and saves time and labor.

Classifications:

International (IPC 8-9): A47J45/07 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN204091809 U	20150114	CN201420539836U	20140919

Priority:

CN201420539836U 20140919

Probable Assignee: HENAN TAIBANG ALUMINUM CO LTD

Assignee(s): (std): HENAN TAIBANG ALUMINUM CO LTD

Assignee(s): TAIBANG HENAN ALUMINUM CO LTD ; HENAN TAIBANG ALUMINUM CO

Inventor(s): (std): DENG PENGWEI

Legal status (INPADOC)

View legal status timeline

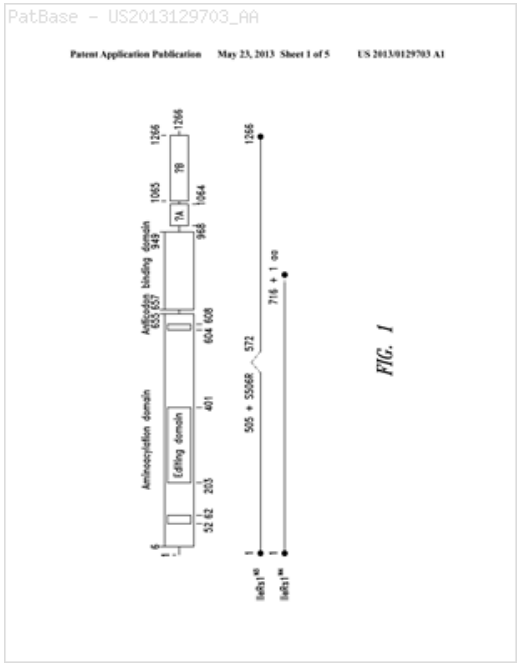
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CN204091809 U	20150114	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN204091809 U	20151202	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	
CN204091809 U	20240919	PEXP		Calculated Patent Term Expiry	

89) Family number: 49917911 (US2013129703A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF ISOLEUCYL TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K35/12 A61K38/16 A61K38/17 A61K38/43 A61K38/53 A61K39/00 A61K39/39 A61K39/395 A61K48/00 A61K49/00 A61P11/00 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/04 A61P35/00 A61P37/00 A61P37/02 A61P37/04 A61P37/06 A61P43/00 A61P7/00 A61P9/00 A61P9/10 C07K16/40 C07K19/00 C12M1/00 C12M3/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/115 C12N15/52 C12N5/10 C12N9/00 C12N9/96 C12P C12P21/02 C12P21/08 C12Q1/02 C12Q1/25 C12Q1/68 G01N27/62 G01N33/15 G01N33/483 G01N33/50 G01N33/53 G01N33/543 G01N33/573 G01N33/68 G01N37/00 (Advanced/Invention); A61K38/00 A61K39/00 (Advanced/Non-invention)
CPC: A61K38/00 C07K2317/21 C07K2317/92 C07K2319/00 C12Y601/01 G01N33/573 C12Y601/01005 G01N2333/9015 A61K39/39591 C07K2317/24 A61K2039/505 C07K2317/34 C07K16/40 C12N9/93
European: C07K16/40 C12N9/93 C12Y601/01 K61K38/00 M07K317/210 M07K317/920 M07K319/00
US: 424/94.5 435/183 435/188 435/375 435/7.1 435/7.4 530/350



Family:

Publication number	Publication date	Application number	Application date
AU2011248614 AA	20111110	AU20110248614	20110427
AU2011248614 BB	20170216	AU20110248614	20110427
CA2797362 AA	20121024	CA20112797362	20110427
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CN103096911 B	20180529	CN201180030307	20110427
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EP2563381 A4	20140108	EP20110777982	20110427
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IN09900DN2012 A	20141107	IN2012DN09900	20121115
JP2013534805 T2	20130909	JP20130508228T	20110427
JP2015187166 A2	20151029	JP20150138750	20150710
JP2017206559 A2	20171124	JP20170163253	20170828
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US2015240228 AA	20150827	US20150593613	20150109
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US9528103 BB	20161227	US20150593613	20150109
US9896515 BB	20180220	US20160355558	20161118
WO11139799 A2	20111110	WO2011US34205	20110427
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Priority:

US201003285 39P	20100427	US201003285 34P	20100427	US201003285 70P	20100427
EP20110777982	20110427	JP20130508228T	20110427	WO2011US34205	20110427
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JP20150138750	20150710	US20160355558	20161118	JP20170163253	20170828

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Assignee(s): PANGU BIOPHARMA LIMITED ; ATYR PHARMA INC SAN DIEGO

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Inventor(s): CHIANG KYLE P CARDIFF ; GREENE LESLIE ANN SAN DIEGO ; HONG FEI SAN DIEGO ; MENDLEIN JOHN D

ENCINITAS ; QUINN CHERYL L MINNEAPOLIS ; VASSEROT ALAIN P CARLSBAD ; WATKINS JEFFRY D ENCINITAS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011248614 AA	20111110	LSPB	+	published / reissued	
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JP2013534805 T2	20130909	LSPB	+	published / reissued	
JP2013534805 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013534805 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013534805 T2	20150414	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150413
JP2013534805 T2	20150710	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150710
JP2013534805 T2	20150729	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150710
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JP2013534805 T2	20160603	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160602

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JP2013534805 T2	20171206	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20171206
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JP2015187166 A2	20170404	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20170404
JP2017206559 A2	20171124	LSPB	+	published / reissued	
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JP6294074 B2	20180125	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6294074 B2	20180220	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6294074 B2	20180223	LSGT	+R150	特許証 (Patent certificate)	
JP6294074 B2	20310427	PEXP		Calculated Patent Term Expiry	
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US2013129703 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013129703 AA	20150204	LSGT	STCF	INFORMATION ON	TEXT : PATENTED CASE

				STATUS: PATENT GRANT	
US2015240228 AA	20150827	LSPB	+	published / reissued	
US2015240228 AA	20161207	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017190790 AA	20170706	LSPB	+	published / reissued	
US2017190790 AA	20170519	LSES	NFA1	Non Final Action Mailed	
US2017190790 AA	20171003	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017190790 AA	20171013	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2017190790 AA	20171030	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017190790 AA	20180105	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2017190790 AA	20180108	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017190790 AA	20180131	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
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US8961960 BB	20180824	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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US9528103 BB	20150724	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:036171/0879 EFFECTIVE DATE : 20121221
US9528103 BB	20161207	LSGT	PAT1	Patented Case	
US9528103 BB	20350109	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9896515 BB	20180220	LSGT	+	granted / extensions (spc, cpc, pte)	
US9896515 BB	20170328	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:041768/0686 EFFECTIVE DATE : 20121221

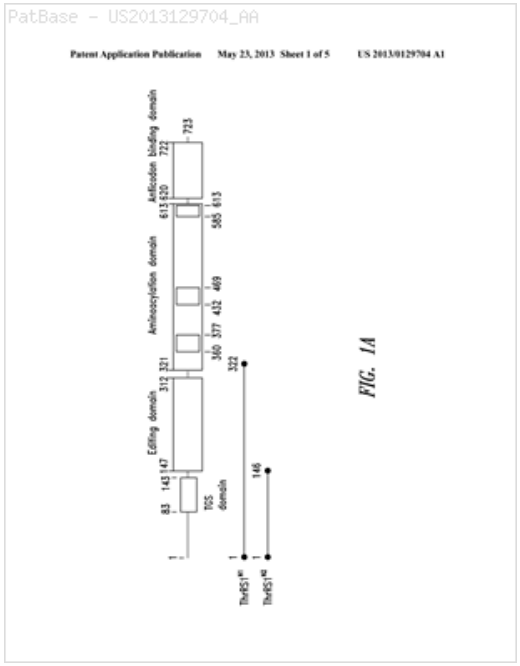
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US9896515 BB	20180131	LSGT	PAT1	Patented Case	
US9896515 BB	20361118	PEXP		Calculated Patent Term Expiry	
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WO11139799 A2	20110427	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180030307.0 COUNTRY OF REF DOCUMENT : CN
WO11139799 A3	20121012	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013508228 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO11139799 A3	20121126	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011777982 COUNTRY OF REF DOCUMENT : EP
WO11139799 A3	20121206	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011248614 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110427 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11139799 A3	20130204	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13643738 COUNTRY OF REF DOCUMENT : US

90) Family number: 49917912 (US2013129704A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF THREONYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K A61K31/7105 A61K31/711 A61K38/00 A61K38/16 A61K38/17 A61K38/43 A61K38/53 A61K39/39 A61K39/395 A61K45/00 A61K47/48 A61K48/00 A61K49/00 A61P A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/08 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P43/00 A61P7/00 A61P9/00 A61P9/10 A61P9/14 C07K14/47 C07K14/705 C07K16/40 C07K19/00 C12M1/00 C12M1/34 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/113 C12N15/52 C12N5/071 C12N5/10 C12N9/00 C12N9/10 C12N9/96 C12P C12P21/08 C12Q1/02 C12Q1/25 C12Q1/48 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/573 G01N33/68 (Advanced/Invention);
A61K38/00 (Advanced/Non-invention)
CPC: C12N9/93 A61K38/53 C07K16/40 C07K2317/76 C07K2319/00 C12Y601/01003 G01N33/573 A61K38/00 G01N2333/9015 A61K39/3955
European: A61K38/53 C07K16/40 C12N9/93 C12Y601/01003 M07K317/760 M07K319/00
US: 424/94.5 435/183 435/188 435/375 435/7.1 435/7.4 530/389.8



Family:

Publication number	Publication date	Application number	Application date
AU2011248521 AA	20111110	AU20110248521	20110427
AU2011248521 BB	20170316	AU20110248521	20110427
CA2797259 AA	20121023	CA20112797259	20110427
CN103096910 A	20130508	CN201180030301	20110427
CN108165537 A	20180615	CN201711430252	20110427
DE602011038560 D1	20170713	DE201160038560T	20110427
EP2563382 A2	20130306	EP20110777984	20110427
EP2563382 A4	20131120	EP20110777984	20110427
EP2563382 B1	20170607	EP20110777984	20110427
ES2638311 T3	20171019	ES20110777984T	20110427
HK1182643 A1	20131206	HK20130110108	20130829
HK1182643 B	20180329	HK20130110108	20130829
IN09901DN2012 A	20141107	IN2012DN09901	20121115
JP2013531973 T2	20130815	JP20130508229T	20110427
JP2015186486 A2	20151029	JP20150142866	20150717
JP2017201994 A2	20171116	JP20170163371	20170828
JP6240500 B2	20171129	JP20130508229T	20110427
US2013129704 AA	20130523	US20110643750	20110427
US2015284706 AA	20151008	US20150619722	20150211
US2017246296 AA	20170831	US20170404682	20170112
US2019218542 AA	20190718	US20180171087	20181025
US8986681 BB	20150324	US20110643750	20110427
US9580706 BB	20170228	US20150619722	20150211
US10150958 BB	20181211	US20170404682	20170112
WO11139801 A2	20111110	WO2011US34207	20110427
WO11139801 A3	20120329	WO2011US34207	20110427

Priority:

US20100328369P	20100427	US20100328373P	20100427	US20100328371P	20100427
CN201180030301	20110427	EP20110777984	20110427	JP20130508229T	20110427
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JP20170163371	20170828	US20180171087	20181025		

Probable Assignee: ATYR PHARMA INC

Assignee(s): (std): MENDLEIN JOHN D ; VASSEROT ALAIN P ; PANGU BIOPHARMA LTD ; LO WING SZE ; HONG FEI ; GREENE LESLIE ANN ; QUINN CHERYL L ; WATKINS JEFFRY D ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY DEAN ; ATYR PHARMA INC ; CHIANG KYLE P

Assignee(s): PANGU BIOPHARMA LIMITED ; ATYR PHARMA INC SAN DIEGO

Inventor(s): (std): JEFFRY D WATKINS ; CHERYL L QUINN ; JOHN D MENDLEIN ; ALAIN P VASSEROT ; KYLE P CHIANG ; LESLLE ANN GREENE ; LO WING SZE ; GREENE LESLIE ANN ; HONG FEI ; QUINN CHERYL L ; WATKINS JEFFRY D ; VASSEROT ALAIN P ; MENDLEIN JOHN D ; CHIANG KYLE P ; VASSEROT ALAIN PHILIPPE ; WATKINS JEFFRY DEAN ; WATKINS JEFFRY ; MENDLEIN JOHN ; VASSEROT ALAIN ; CHIANG KYLE ; QUINN CHERYL

Inventor(s): WING SZE LO ; FEI HONG ; LESLIE ANN GREENE ; QUINN CHERYL L MINNEAPOLIS ; MENDLEIN JOHN D ENCINITAS ; WATKINS JEFFRY D ENCINITAS ; VASSEROT ALAIN P CARLSBAD ; HONG FEI SAN DIEGO ; CHIANG KYLE P CARDIFF ; GREENE LESLIE ANN SAN DIEGO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND INTELLECTUAL PROPERTY GROUP PATENTANWALT U SOLICITOR PARTG MBB; GRUND MARTIN; VALLEJO JUAN PEDRO; DEACONS; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011248521 AA	20111110	LSPB	+	published / reissued	
AU2011248521 AA	20170713	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011248521 BB	20170316	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248521 BB	20310427	PEXP		Calculated Patent Term Expiry	
CA2797259 AA	20121023	LSPB	+	published / reissued	
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CN103096910 A	20130508	LSPB	+	published / reissued	
CN103096910 A	20130508	LSPB	+C06	PUBLICATION	
CN103096910 A	20180622	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
CN108165537 A	20180615	LSPB	+	published / reissued	
CN108165537 A	20180615	LSPB	PB01	PUBLICATION	
EP2563382 A2	20130306	LSPB	+	published / reissued	
EP2563382 A2	20130306	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121112
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EP2563382 A4	20161221	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20161123
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EP2563382 B1	20170615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 898708 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170615
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EP2563382 B1	20170628	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2563382 B1	20170713	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011038560 COUNTRY OF REF DOCUMENT : DE
EP2563382 B1	20171019	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2638311 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20171019
EP2563382 B1	20171025	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2563382 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170908
EP2563382 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170907
EP2563382 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607

EP2563382 B1	20171115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 898708 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170607
EP2563382 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170907
EP2563382 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180228	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : PL

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171007
EP2563382 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180308	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011038560 COUNTRY OF REF DOCUMENT : DE
EP2563382 B1	20180329	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1182643 COUNTRY OF REF DOCUMENT : HK
EP2563382 B1	20180425	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2563382 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180516	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180308
EP2563382 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180503 YEAR OF FEE PAYMENT : 8
EP2563382 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180427 YEAR OF FEE PAYMENT : 8
EP2563382 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180425 YEAR OF FEE PAYMENT : 8
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EP2563382 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180427 YEAR OF FEE PAYMENT : 8
EP2563382 B1	20181130	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : MC

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170607
EP2563382 B1	20181130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2563382 B1	20190123	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2563382 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180427
EP2563382 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180430
EP2563382 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180430
EP2563382 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180430
EP2563382 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180427
EP2563382 B1	20310427	PEXP		Calculated Patent Term Expiry	
ES2638311 T3	20171019	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2638311 T3	20310427	PEXP		Calculated Patent Term Expiry	
HK1182643 A1	20131206	LSPB	+	published / reissued	
HK1182643 B	20180329	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1182643 B	20330829	PEXP		Calculated Patent Term Expiry	
IN09901DN2012 A	20141107	LSPB	+	published / reissued	
JP2013531973 T2	20130815	LSPB	+	published / reissued	
JP2013531973 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013531973 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013531973 T2	20150420	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150417
JP2013531973 T2	20150717	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150717

JP2013531973 T2	20150805	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150717
JP2013531973 T2	20151216	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20151215
JP2013531973 T2	20160415	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160415
JP2013531973 T2	20160603	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160602
JP2013531973 T2	20160815	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A912 EFFECTIVE DATE : 20160812
JP2013531973 T2	20170828	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170828
JP2013531973 T2	20171109	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20171106
JP2013531973 T2	20171110	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6240500 COUNTRY OF REF DOCUMENT : JP
JP2015186486 A2	20151029	LSPB	+	published / reissued	
JP2015186486 A2	20150722	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20150717
JP2015186486 A2	20160422	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160422
JP2015186486 A2	20170228	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20170228
JP2017201994 A2	20171116	LSPB	+	published / reissued	
JP2017201994 A2	20170828	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170828
JP2017201994 A2	20180726	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20180726
JP2017201994 A2	20181023	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20181023
JP6240500 B2	20171129	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6240500 B2	20171019	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6240500 B2	20171107	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6240500 B2	20171110	LSGT	+R150	特許証 (Patent certificate)	
JP6240500 B2	20310427	PEXP		Calculated Patent Term Expiry	
US10150958 BB	20181211	LSGT	+	granted / extensions (spc, cpc, pte)	
US10150958 BB	20170523	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC.,

					CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:042479/0022
US10150958 BB	20170523	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:042478/0986 EFFECTIVE DATE : 20121221
US10150958 BB	20181120	LSGT	PAT1	Patented Case	
US10150958 BB	20370112	PEXP		Calculated Patent Term Expiry	
US2013129704 AA	20130523	LSPB	+	published / reissued	
US2013129704 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013129704 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013129704 AA	20150304	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015284706 AA	20151008	LSPB	+	published / reissued	
US2015284706 AA	20151209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:037248/0511
US2015284706 AA	20151209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:037248/0589 EFFECTIVE DATE : 20121221
US2015284706 AA	20170208	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017246296 AA	20170831	LSPB	+	published / reissued	
US2017246296 AA	20171002	LSES	NFA1	Non Final Action Mailed	
US2017246296 AA	20180725	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2017246296 AA	20180725	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017246296 AA	20181120	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

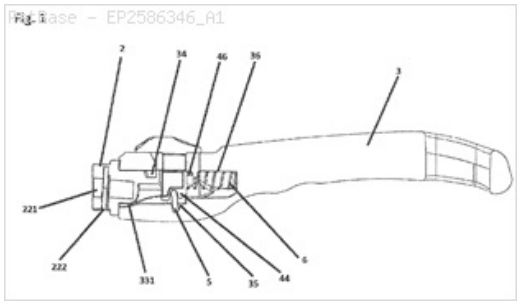
US2019218542 AA	20190718	LSPB	+	published / reissued	
US8986681 BB	20150324	LSGT	+	granted / extensions (spc, cpc, pte)	
US8986681 BB	20150304	LSGT	PAT1	Patented Case	
US8986681 BB	20180924	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8986681 BB	20310704	PEXP		Calculated Patent Term Expiry (PTA 68 days)	
US9580706 BB	20170228	LSGT	+	granted / extensions (spc, cpc, pte)	
US9580706 BB	20150812	LSES	NFA1	Non Final Action Mailed	
US9580706 BB	20170208	LSGT	PAT1	Patented Case	
US9580706 BB	20350211	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11139801 A2	20111110	LSPB	+	published / reissued	
WO11139801 A2	20110427	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180030301.3 COUNTRY OF REF DOCUMENT : CN
WO11139801 A3	20121012	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013508229 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11139801 A3	20121023	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2797259 COUNTRY OF REF DOCUMENT : CA
WO11139801 A3	20121029	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11139801 A3	20121112	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011777984 COUNTRY OF REF DOCUMENT : EP
WO11139801 A3	20121115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 9901/DELNP/2012 COUNTRY OF REF DOCUMENT : IN
WO11139801 A3	20121206	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011248521 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110427 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11139801 A3	20130204	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13643750 COUNTRY OF REF DOCUMENT : US

91) Family number: 53650926 (EP2586346B1)

Title: COOKING UTILITY UTENSILE DE C

Abstract: The cookware comprises a vessel portion to which a handle portion (3) is detachably fastened, and a coupling portion (2) for fixing the handle to the vessel portion, through a recess formed in the handle portion, by engaging a groove formed in the coupling portion with the recess. A pivotable locking plate (5) is arranged in the recess formed in the handle portion, for preventing removal of the coupling portion from the recess, in the securing position. A coil spring (6) is arranged within the recess.

Classifications:
International (IPC 8-9): A47J45/07 (Advanced/Invention)
CPC: A47J45/071



Family:

Publication number	Publication date	Application number	Application date
DE502011001395 D1	20131121	DE201150001395T	20111027
EP2586346 A1	20130501	EP20110186920	20111027
EP2586346 B1	20130925	EP20110186920	20111027

Priority:

EP20110186920 20111027

Probable Assignee: AMT ALUMETALL GIESTECHNIK GMBH
Assignee(s): (std): AMT ALUMETALL GIESTECHNIK GMBH
Assignee(s): AMT ALUMETALL GIESSTECHNIK GMBH
Inventor(s): (std): MOEHL HARALD
Agent(s): PATENTANWAELTE DOERNER AND KOETTER PARTG MBB; DOERNER KOETTER AND KOLLEGEN
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
EP2586346 A1	20130501	LSPB	+	published / reissued	
EP2586346 A1	20130501	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120705
EP2586346 A1	20130717	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 45/07 20060101AFI20130611BHEP
EP2586346 A1	20130724	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20130624
EP2586346 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140125
EP2586346 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925

EP2586346 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20130925	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2586346 B1	20130925	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2586346 B1	20130930	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2586346 B1	20131015	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 633394 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20131015
EP2586346 B1	20131106	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2586346 B1	20131121	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502011001395 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131121
EP2586346 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131225
EP2586346 B1	20140219	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20130925
EP2586346 B1	20140225	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2586346 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION

				INFORMATION FROM NATIONAL OFFICE TO EPO]	OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131226
EP2586346 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140430	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : AMT ALUMETALL GIESSTECHNIK G.M.B.H. EFFECTIVE DATE : 20131031
EP2586346 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140125
EP2586346 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925

EP2586346 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140626	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502011001395 COUNTRY OF REF DOCUMENT : DE
EP2586346 B1	20140630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140127
EP2586346 B1	20140630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140730	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2586346 B1	20140801	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20140630
EP2586346 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131125
EP2586346 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20140903	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140626
EP2586346 B1	20140930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131031
EP2586346 B1	20140930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20141009	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502011001395 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140626
EP2586346 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131027
EP2586346 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20150529	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131027
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141031
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141031
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140110
EP2586346 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20111027
EP2586346 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20160629	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20151027
EP2586346 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151027
EP2586346 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161107

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 6
EP2586346 B1	20171215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 633394 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161027
EP2586346 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161027
EP2586346 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20171109 YEAR OF FEE PAYMENT : 7
EP2586346 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130925
EP2586346 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20181031 YEAR OF FEE PAYMENT : 8
EP2586346 B1	20311027	PEXP		Calculated Patent Term Expiry	

92) Family number: 49917931 (US2013287755A)

Title: INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF ALANYL-TRNA SYNTHETASES

Abstract: Provided are compositions comprising newly identified protein fragments of aminoacyl-tRNA synthetases, polynucleotides that encode them and complements thereof, related agents, and methods of use thereof in diagnostic, drug discovery, research, and therapeutic applications.

Classifications:
International (IPC 8-9): A61K A61K35/12 A61K38/00 A61K38/43 A61K38/53 A61K39/395 A61K45/00 A61K47/34 A61K47/42 A61K47/48 A61K48/00 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P35/00 A61P37/02 A61P43/00 A61P7/00 A61P9/00 A61P9/10 C07K C07K1/00 C07K14/00 C07K16/40 C07K19/00 C12M1/00 C12N C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/113 C12N15/52 C12N5/07 C12N5/071 C12N5/10 C12N9/00 C12N9/18 C12N9/96 C12Q1/02 C12Q1/25 C12Q1/68 G01N G01N27/62 G01N33/15 G01N33/483 G01N33/50 G01N33/53 G01N33/535 G01N33/573 G01N33/68 G01N37/00 (Advanced/Invention); A61K38/00 (Advanced/Non-invention)
CPC: C12N9/96 C12N5/0602 G01N33/68 C12N9/93 A61K38/00 C12N9/18 G01N33/5008 G01N2500/00 A61K35/12 G01N33/573 C07K14/00 C07K2319/33 C12Y601/01 G01N2333/9015 C12Y601/01007 C07K2317/24 C07K2317/622 C07K16/40 A61K38/53
European: C12N9/18 C12N9/93 G01N33/50D2 G01N33/68 K61K38/00 S01N500/00
US: 1/1 424/135.1 424/93.21 424/93.7 424/94.5 435/183 435/188 435/325 435/375 435/7.1 435/7.4 514/12.2 514/18.2 514/19.3 514/21.2 514/6.9 530/350 530/387.9

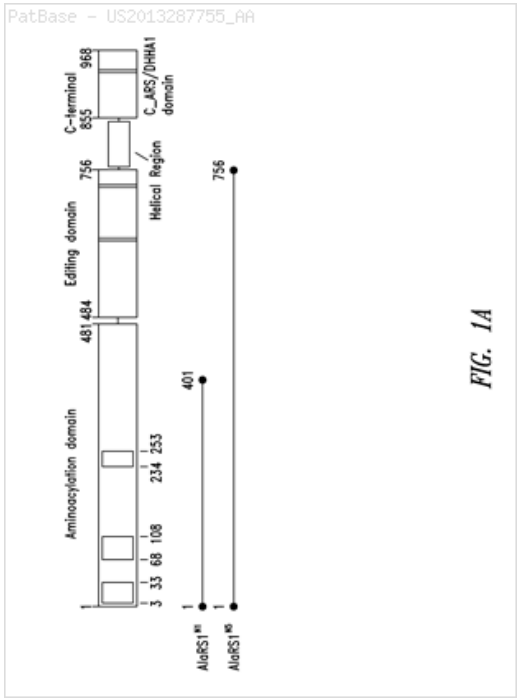


FIG. 1A

Family:

Publication number	Publication date	Application number	Application date
AU2011248489 AA	20111110	AU20110248489	20110428
AU2011248489 BB	20161006	AU20110248489	20110428
CA2797271 AA	20121023	CA20112797271	20110428
CN103097524 A	20130508	CN201180030530	20110428
CN103097524 B	20160803	CN201180030530	20110428
EP2563911 A2	20130306	EP20110778025	20110428
EP2563911 A4	20131204	EP20110778025	20110428
HK1182736 A1	20131206	HK20130110098	20130829
IN09669CN2012 A	20150102	IN2012CN09669	20121115
JP2013528366 T2	20130711	JP20130508259T	20110428
JP2016000050 A2	20160107	JP20150186149	20150922
JP6008837 B2	20161019	JP20130508259T	20110428
US2013287755 AA	20131031	US20110643753	20110428
US2015290305 AA	20151015	US20150620817	20150212
US2017008974 AA	20170112	US20160076297	20160321
US8993723 BB	20150331	US20110643753	20110428
US9320782 BB	20160426	US20150620817	20150212
WO11139853 A2	20111110	WO2011US34387	20110428
WO11139853 A3	20120510	WO2011US34387	20110428

Priority:

US201003288 67P 20100428 US20100329048P 20100428 US20100328871P 20100428
JP20130508259T 20110428 US20110643753 20110428 US20110034387 20110428
WO2011US34387 20110428 US20130643753 20130531 US20150620817 20150212
US20160076297 20160321

Probable Assignee: ATYR PHARMA INC

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Assignee(s): PANGU BIOPHARMA LIMITED

Inventor(s): (std): JEFFRY D WATKINS ; CHERYL L QUINN ; JOHN D MENDLEIN ; ALAIN P VASSEROT ; KYLE P CHIANG ; LESLLE ANN GREENE ; LO WING SZE ; GREENE LESLIE ANN ; HONG FEI ; QUINN CHERYL L ; WATKINS JEFFRY D ; VASSEROT ALAIN P ; MENDLEIN JOHN D ; CHIANG KYLE P ; WATKINS JEFFRY DEAN ; VASSEROT ALAIN PHILIPPE

Inventor(s): WING SZE LO ; FEI HONG ; LESLIE ANN GREENE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; GRUND MARTIN; DEACONS; COOLEY LLP; ROGEL MARK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2011248489 AA	20111110	LSPB	+	published / reissued	
AU2011248489 AA	20170202	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011248489 BB	20161006	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011248489 BB	20310428	PEXP		Calculated Patent Term Expiry	
CA2797271 AA	20121023	LSPB	+	published / reissued	
CA2797271 AA	20160420	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160408
CN103097524 A	20130508	LSPB	+	published / reissued	
CN103097524 A	20130508	LSPB	+C06	PUBLICATION	
CN103097524 B	20160803	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103097524 B	20160803	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103097524 B	20310428	PEXP		Calculated Patent Term Expiry	
EP2563911 A2	20130306	LSPB	+	published / reissued	
EP2563911 A2	20130306	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121112
EP2563911 A4	20131204	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20131106
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 19/00 20060101ALI20131030BHEP
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07K 16/40 20060101ALI20131030BHEP
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 9/00 20060101AFI20131030BHEP
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G01N 33/68 20060101ALI20131030BHEP
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/52 20060101ALI20131030BHEP
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 38/43 20060101ALI20131030BHEP
EP2563911 A4	20131204	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C12N 15/113 20100101ALI20131030BHEP
EP2563911 A4	20151118	LSES	+17Q	FIRST EXAMINATION	EFFECTIVE DATE : 20151019

				REPORT DESPATCHED	
HK1182736 A1	20131206	LSPB	+	published / reissued	
IN09669CN2012 A	20150102	LSPB	+	published / reissued	
JP2013528366 T2	20130711	LSPB	+	published / reissued	
JP2013528366 T2	20140408	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140407
JP2013528366 T2	20140408	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140407
JP2013528366 T2	20150624	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150623
JP2013528366 T2	20150924	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150922
JP2013528366 T2	20160216	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160215
JP2013528366 T2	20160614	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160614
JP2013528366 T2	20160630	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20160614
JP2013528366 T2	20160707	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160706
JP2013528366 T2	20160823	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013528366 T2	20160825	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160825
JP2013528366 T2	20160923	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160913
JP2013528366 T2	20160923	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6008837 COUNTRY OF REF DOCUMENT : JP
JP2016000050 A2	20160107	LSPB	+	published / reissued	
JP2016000050 A2	20160803	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160803
JP2016000050 A2	20161102	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20161102
JP6008837 B2	20161019	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6008837 B2	20160901	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6008837 B2	20160920	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6008837 B2	20160923	LSGT	+R150	特許証 (Patent certificate)	

JP6008837 B2	20310428	PEXP		Calculated Patent Term Expiry	
US2013287755 AA	20131031	LSPB	+	published / reissued	
US2013287755 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:031977/0774 EFFECTIVE DATE : 20121221
US2013287755 AA	20140115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:031977/0679
US2013287755 AA	20150311	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015290305 AA	20151015	LSPB	+	published / reissued	
US2015290305 AA	20160406	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017008974 AA	20170112	LSPB	+	published / reissued	
US2017008974 AA	20160928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722; REEL/FRAME:040170/0854
US2017008974 AA	20160928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, HONG KONG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:040171/0024 EFFECTIVE DATE : 20121221
US2017008974 AA	20180323	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017008974 AA	20180327	LSES	NFA1	Non Final Action Mailed	
US8993723 BB	20150331	LSGT	+	granted / extensions (spc, cpc, pte)	
US8993723 BB	20150311	LSGT	PAT1	Patented Case	
US8993723 BB	20311123	PEXP		Calculated Patent Term Expiry (PTA 209 days)	
US9320782 BB	20160426	LSGT	+	granted / extensions (spc, cpc, pte)	
US9320782 BB	20150710	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PANGU BIOPHARMA LIMITED, CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LO, WING-SZE; REEL/FRAME:036092/0933 EFFECTIVE DATE : 20121221
US9320782 BB	20150710	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ATYR PHARMA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GREENE, LESLIE ANN; CHIANG, KYLE P.; HONG, FEI; AND OTHERS; SIGNING DATES FROM 20130711 TO 20130722;

					REEL/FRAME:036092/0914
US9320782 BB	20160322	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9320782 BB	20160406	LSGT	PAT1	Patented Case	
US9320782 BB	20350212	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO11139853 A2	20111110	LSPB	+	published / reissued	
WO11139853 A2	20110428	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180030530.5 COUNTRY OF REF DOCUMENT : CN
WO11139853 A3	20121012	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013508259 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11139853 A3	20121023	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2797271 COUNTRY OF REF DOCUMENT : CA
WO11139853 A3	20121029	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11139853 A3	20121112	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011778025 COUNTRY OF REF DOCUMENT : EP
WO11139853 A3	20121115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 9669/CHENP/2012 COUNTRY OF REF DOCUMENT : IN
WO11139853 A3	20121206	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011248489 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110428 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11139853 A3	20130531	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13643753 COUNTRY OF REF DOCUMENT : US