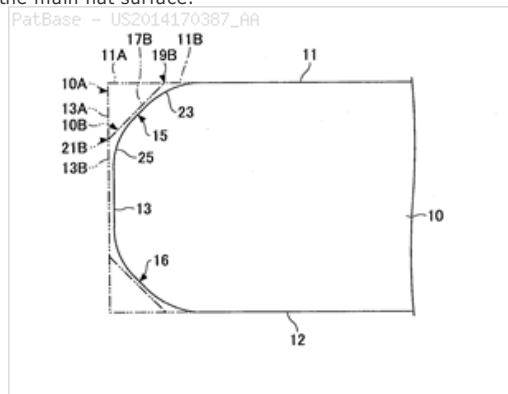


Search history

Search 1: FT=(COFFEE~ PRESS~ AND TEMPERATURE~ SENSOR~) (Results 10)
Search 2: FT=(grain~ PRESS~ AND TEMPERATURE~ SENSOR~) (Results 2)
Search 3: FT=(grain~ PRESS~ AND SENSOR~) (Results 29)
Search 4: FT=(grain~ PRESS~ AND SENSOR~ AND coffee extract AND pressure) (Results 0)
Search 5: FT=(grain~ PRESS~ AND SENSOR~ AND liquid and extract) (Results 7)
Search 6: FT=(grain~ PRESS~ AND SENSOR~ AND extract) (Results 8)
Search 7: FT=(grain~ PRESS~ AND cylinder~ AND Pressure~ AND extract) (Results 10)
Search 8: FT=(PRESS~ AND cylinder~ AND Pressure~ AND extract~ and sensor) (Results 17618)
Search 9: FT=(grain~ PRESS~) (Results 397)

Abstract: A glass plate includes a main flat surface, an edge surface orthogonal to the main flat surface, and a chamfered surface adjacent to the main flat surface and the edge surface. In a cross-sectional surface of the glass plate that is orthogonal to the edge surface and that is orthogonal to the main flat surface, the chamfered surface has a curvature radius greater than or equal to 50 micro m at an intersection point between the chamfered surface and a straight line inclined 45 degrees with respect to the main flat surface and a curvature radius ranging from 20 micro m to 500 micro m at an intersection point between the chamfered surface and a straight line inclined 15 degrees with respect to the main flat surface.

International (IPC 8-9): B24B1/00 B24B7/24 B24B9/00 B24B9/08
B24B9/10 C03C19/00 C03C21/00 G02F1/1333 (Advanced/Invention)
CPC: B24B9/00 Y10T428/24488 G02F2001/133302 G02F2001/133331
C03C21/00 C03C19/00 B24B9/08 G02F1/1333 B24B1/00
US: 428/157



Publication number	Publication date	Application number	Application date
■ CN103764586 A	20140430	CN201280041422	20120816
■ CN103764586 B	20161214	CN201280041422	20120816
■ CN107032638 A	20170811	CN201611001525	20120816
■ JP2013031548 A1	20150323	JP20130531210T	20120816
■ JP5382280 B1	20140108	JP20130531210T	20120816
■ JP5382280 B2	20140108	JP20130531210T	20120816
■ KR101988681 B1	20190612	KR20147004395	20120816
■ KR20140063611 A	20140527	KR20147004395	20120816
■ KR20190068636 A	20190618	KR20197016183	20120816
■ TW201315572 A	20130416	TW20120130534	20120822
■ TWI576204 B	20170401	TW20120130534	20120822
■ US2014170387 AA	20140619	US20140189072	20140225
■ US2016280590 AA	20160929	US20160178627	20160610
■ WO13031548 A1	20130307	WO2012JP70860	20120816

JP20110186461 20110829 CN201280041422 20120816 WO2012JP70860 20120816
JP20130531210 20120816 US20140189072 20140225 US20160178627 20160610

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 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

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Patent	Date recorded	Event group	Code	Event	Details
CN103764586 A	20140430	LSPB	+	published / reissued	
CN103764586 A	20140430	LSPB	+C06	PUBLICATION	
CN103764586 B	20161214	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103764586 B	20161214	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103764586 B	20181030	LSAS	CP01	CHANGE IN THE NAME OR TITLE OF A PATENT HOLDER	
CN103764586 B	20320816	PEXP		Calculated Patent	

Term Expiry					
CN107032638 A	20170811	LSPB	+	published / reissued	
CN107032638 A	20170811	LSPB	PB01	PUBLICATION	
CN107032638 A	20181030	LSAS	CB02	CHANGE OF APPLICANT INFORMATION	
JP2013031548 A1	20150323	LSPB	+	published / reissued	
JP2013031548 A1	20180706	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP2013031548 A1	20180717	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP2013031548 A1	20180925	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5382280 B1	20140108	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5382280 B1	20130905	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5382280 B1	20130905	LSFE	R1001	特許料納付書 (包括納付) (Patent fee payment form (inclusive payment))	
JP5382280 B1	20131011	LSGT	R151	特許登録通知書 (一括) (Patent registration notice (collective))	
JP5382280 B1	20160623	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5382280 B1	20160628	LSFE	R2501	年金領収書 (一括) (Pension receipt (bulk))	
JP5382280 B1	20170622	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5382280 B1	20170627	LSFE	R2501	年金領収書 (一括) (Pension receipt (bulk))	
JP5382280 B1	20180706	LSAS	R313533	表示変更登録申請書 (住所) (Display change registration application (name))	
JP5382280 B1	20180717	LSAS	R350	移転登録通知書 (Transfer registered notice)	
JP5382280 B1	20180920	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5382280 B1	20180925	LSFE	+R250	年金領収書, 年金領収書 (分納) (Pension receipt, annuity receipt (scheduled))	
JP5382280 B1	20320816	PEXP		Calculated Patent Term Expiry	
JP5382280 B2	20140108	LSGT	+	granted / extensions (spc, cpc, pte)	
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JP5382280 B2	20130904	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20130903
JP5382280 B2	20131007	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20130916
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KR101988681 B1	20190612	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101988681 B1	20320816	PEXP		Calculated Patent Term Expiry	
KR20140063611 A	20140527	LSPB	+	published / reissued	

KR20140063611 A	20170712	LSES	A201	REQUEST FOR EXAMINATION	
KR20140063611 A	20181012	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20140063611 A	20190305	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20140063611 A	20190605	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR20190068636 A	20190618	LSPB	+	published / reissued	
KR20190068636 A	20190605	LSES	A201	REQUEST FOR EXAMINATION	
KR20190068636 A	20190617	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
TW201315572 A	20130416	LSPB	+	published / reissued	
TWI576204 B	20170401	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI576204 B	20320822	PEXP		Calculated Patent Term Expiry	
US2014170387 AA	20140619	LSPB	+	published / reissued	
US2014170387 AA	20140307	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ASAHI GLASS COMPANY, LIMITED, JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KASHIMA, IZURU; KOBAYASHI, YUSUKE; REEL/FRAME:032373/0349 EFFECTIVE DATE : 20140210
US2014170387 AA	20150928	LSES	NFA1	Non Final Action Mailed	
US2014170387 AA	20170122	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014170387 AA	20170122	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2016280590 AA	20160929	LSPB	+	published / reissued	
US2016280590 AA	20180215	LSES	NFA1	Non Final Action Mailed	
US2016280590 AA	20180529	LSES	NFA1	Non Final Action Mailed	
US2016280590 AA	20180807	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AGC INC., JAPAN OLDPARTY : CHANGE OF NAME; ASSIGNOR:ASAHI GLASS COMPANY, LIMITED; REEL/FRAME:046730/0786 EFFECTIVE DATE : 20180701
US2016280590 AA	20190109	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016280590 AA	20190109	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO13031548 A1	20130307	LSPB	+	published / reissued	
WO13031548 A1	20130405	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013531210 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13031548 A1	20140220	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20147004395 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

WO13031548 A1	20140228	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13031548 A1	20140924	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 12827904 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: METHOD FOR PRODUCING STERILIZED CEREAL GRAIN

Abstract: PROBLEM TO BE SOLVED: To provide a method for producing sterilized cereal grains, for getting sufficient sterilization effect, and obtaining cereal powder free from quality deterioration and excellent in secondary processing suitability. SOLUTION: This method for producing the sterilized cereal grains includes steps (1) and (2) as follows: (1) A step of adding 0-10 mass percent water, based on cereal grains, to cereal grains followed by press heating the product for 0.001-60 s under a condition of temperature of 100-180 degrees centigrade and pressure of 0.01-0.7 MPa, and (2) a step of rapidly decreasing pressure in 0.00001-10 s, the cereal **grains press** heated in the step (1).

Classifications:

International (IPC 8-9): A23L1/10 A23L7/10 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2011212007 A2	20111027	JP20100124916	20100531
JP5452370 B2	20140326	JP20100124916	20100531

Priority:

JP20100063162 20100318

JP20100124916 20100531

Probable Assignee: NISSHIN SEIFUN GROUP INC

Assignee(s): (std): NISSHIN SEIFUN GROUP INC

Inventor(s): (std): SAKAMAKI YAWARA ; SESAI YUJI

Agent(s): HATORI OSAMU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2011212007 A2	20111027	LSPB	+	published / reissued	
JP2011212007 A2	20120929	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20120928
JP2011212007 A2	20130904	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130903
JP2011212007 A2	20131024	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20131023
JP2011212007 A2	20131212	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011212007 A2	20131218	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20131217
JP2011212007 A2	20140109	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20131227
JP2011212007 A2	20140110	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP5452370 B2	20140326	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5452370 B2	20131219	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5452370 B2	20140107	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5452370 B2	20140110	LSGT	+R150	特許証 (Patent certificate)	
JP5452370 B2	20161117	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5452370 B2	20161122	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

JP5452370 B2	20171116	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5452370 B2	20171128	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5452370 B2	20181122	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5452370 B2	20181127	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5452370 B2	20300531	PEXP	Calculated Patent Term Expiry		

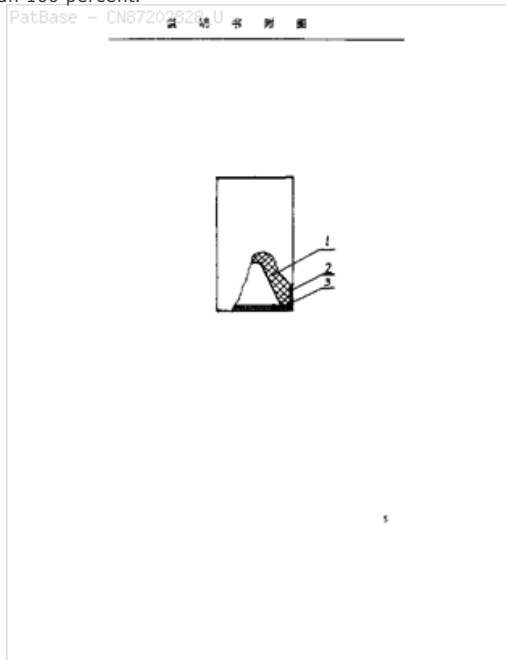
Title: SENSITIVE EXPLOSIVE DETONATOR

Abstract: The utility model discloses a sensitive explosive detonator, comprising a **grain pressed** by armed explosive compound or armed composite explosive. A hole end is encased by a paper board spacer and a cladding. After the product installed in a blast hole, is detonated by a detonator or a nonel, main explosive No. 2 rock nitramon or emulsible oil explosive is detonated with high detonation pressure and large energy, and accordingly, the effective energy utilization rate of blasting the main explosive is improved. The utility model is especially suitable for the driving of adamantine mine rock lames which are difficult to be blasted, improving driving footage by 30 percent to more than 100 percent.

Classifications:

International (IPC 8-9): C06C5/04 (Advanced/Invention);
C06C5/00 (Core/Invention)

International (IPC 1-7): C06C5/04



Family:

Publication number	Publication date	Application number	Application date
■ CN87202828 U	19880120	CN19872002828U	19870304

Priority:

CN19872002828U 19870304

Probable Assignee: JIANGXI STATE RENMIN MACHINERY FACTORY

Assignee(s): JIANGXI STATE RENMIN MACHINERY FACTORY

Inventor(s): (std): LIU RONGFU

Legal status (INPADOC)

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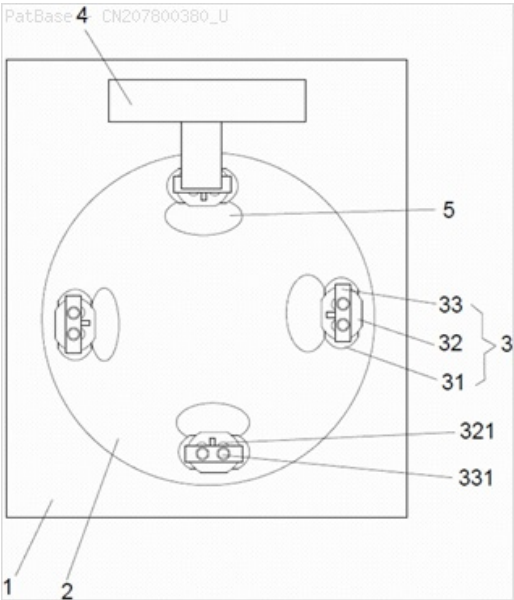
Patent	Date recorded	Event group	Code	Event	Details
CN87202828 U	19880120	LSPB	+	published / reissued	
CN87202828 U	19880120	LSPB	+C06	PUBLICATION	
CN87202828 U	19881019	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN87202828 U	19910731	LSLE	-C19	LAPSE OF PATENT RIGHT DUE TO NON-PAYMENT OF THE ANNUAL FEE	

Title: ALUMINIUM ELECTRIC CAPACITY GROUP GRAIN DEVICE

Abstract: The utility model provides an aluminium electric capacity group grain device, including the base, the base top is provided with the carousel, and the carousel is connected with the motor drive who sets up in the base top, and carousel top partition is provided with a plurality of groups grain tool, and group's grain tool includes base, stand, compoboard, and compoboard one side is provided with aplurality of groups gomphosis groove, is provided with and organizes the chip road that a gomphosis groove communicates on one side of the stand, base one side is provided with the grain pressing mechanism of group, and the grain pressing mechanism of group includes support column, fixed plate, fly leaf, cylinder, and cylinder output shaft fixed connection is at the fly leaf top, and through spring coupling between fixed plate and the fly leaf, fly leaf one side is provided with the grip slipper. Cuttings that group grain in -process produced is in with the automatic chip road that drops and outside the effect departure chip road with the help of centrifugal force. Its simple structure, convenient to use can in time get rid of organizing a cuttings of in -process production, prevents interior jam of group's grain tool, and the maintenance time of grain device is organized in the reduction, promotes production efficiency.

Classifications:

International (IPC 8-9): H01G13/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207800380 U	20180831	CN201721904037U	20171229

Priority:

CN201721904037U 20171229

Probable Assignee: DONGGUAN CHUANGHUI ELECTRONICS CO LTD

Assignee(s): (std): DONGGUAN CHUANGHUI ELECTRONICS CO LTD

Assignee(s): INVASIVE HUI ELECTRONICS CO LTD DONGGUAN CITY ; DONGGUAN CHUANGHUI ELECTRONICS CO

Inventor(s): (std): LIU JINGSONG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN207800380 U	20180831	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207800380 U	20180831	LSGT	+GR01	PATENT GRANT	
CN207800380 U	20271229	PEXP		Calculated Patent Term Expiry	

Title: VALVELESS ROCKET MOTOR USING SUBLIMING SOLIDS

Abstract: ABSTRACT OF THE DISCLOSURE This invention is a small propulsion device for use in space rocketry which is adaptable for miniaturization, comprising a container having a porous heater therein, the heater being located away from the exit orifice of the device in order to form therewith a gas Chamber. Against the other side of the heater is constantly pressed a subliming propellant the contacting surface of which is heated by the heater uniformly in order to create a gas which penetrates the heater into the aforesaid Chamber from which it exits via the exit port. By thus heating the propellant, plus the use of a constant volume pressure chamber, extremely accurate control over the subliming of the propellant is obtained and thus the orifice pressure.

Classifications:

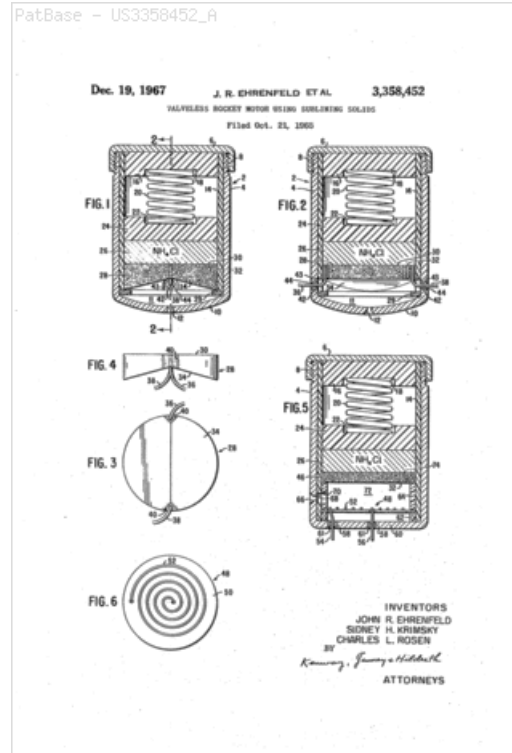
International (IPC 8-9): F02K5/00 (Advanced/Invention);
F02K5/00 (Core/Invention)

International (IPC 1-7): F02K9/04

CPC: F02K5/00 Y02T50/671

European: F02K5/00 Y02T50/67B

US: 60/200.1 60/39.48

**Family:**

Publication number	Publication date	Application number	Application date
US3358452 A	19671219	US19650499452	19651021

Priority:

US19650499452 19651021

Probable Assignee: GCA CORP

Assignee(s): (std): GCA CORP

Assignee(s): BANK OF NEW ENGLAND NA ; BANK OF NEW ENGLAND NA (AS AGENT) ; BANK OF NEW ENGLAND NA AS AGENT

Inventor(s): (std): ROSEN CHARLES L ; KRIMSKY SIDNEY H ; EHRENFELD JOHN R

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US3358452 A	19671219	LSGT	+	granted / extensions (spc, cpc, pte)	
US3358452 A	19861223	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BANK OF NEW ENGLAND N.A. (AS AGENT) OLDPARTY : SECURITY INTEREST; ASSIGNOR:GCA CORPORATION, A DE CORP; REEL/FRAME:004730/0239 EFFECTIVE DATE : 19860228

Title: NANO-STRUCTURED POROUS THERMOELECTRIC GENERATORS

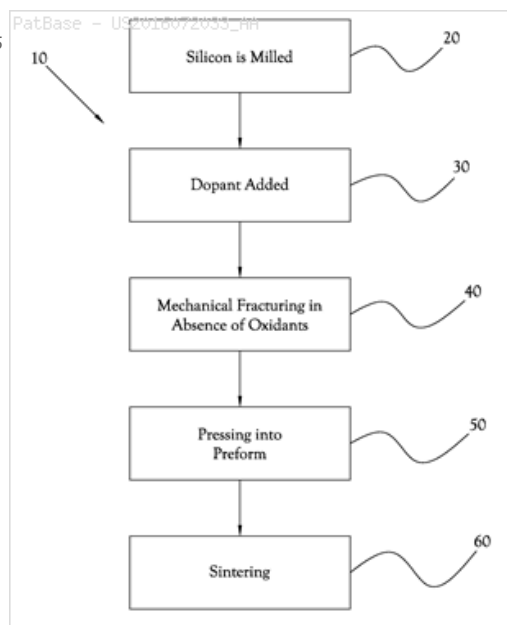
Abstract: Methods and processes to fabricate thermoelectric materials and more particularly to methods and processes to fabricate nano-sized doped silicon-based semiconductive materials to use as thermoelectrics in the production of electricity from recovered waste heat. Substantially oxidant-free and doped silicon particulates are fractured and sintered to form a porous nano-sized silicon-based thermoelectric material.

Classifications:

International (IPC 8-9): C04B35/515 C04B35/626 C04B35/64 C04B35/65
H01L35/14 H01L35/16 H01L35/18 H01L35/20 H01L35/22 H01L35/26
H01L35/28 H01L35/34 H02N11/00 (Advanced/Invention)

CPC: H01L35/20 H01L35/34 C04B35/6261 C04B35/64 C04B35/65
H01L35/22 H01L35/16

US: 252/500 252/512 438/54



Family:

Publication number	Publication date	Application number	Application date
CA2960115 AA	20170302	CA20152960115	20150908
CN107074666 A	20170818	CN201580056464	20150908
EP3189018 A1	20170712	EP20150838719	20150908
EP3189018 A4	20181114	EP20150838719	20150908
JP2017532792 T2	20171102	JP20170533164T	20150908
KR20170128204 A	20171122	KR20177009325	20150908
MX2017002823 A1	20170915	MX20170002823	20150908
US2016072033 AA	20160310	US20150846297	20150904
US2018097168 AA	20180405	US20170703080	20170913
US9793461 BB	20171017	US20150846297	20150904
WO16037175 A1	20160310	WO2015US48877	20150908

Priority:

US20140046434P 20140905 US20150846297 20150904 WO2015US48877 20150908
US20170703080 20170913

Probable Assignee: MOSSEY CREEK TECHNOLOGIES INC

Assignee(s): (std): MOSSEY CREEK TECH INC ; MOSSEY CREEK TECHNOLOGIES INC

Assignee(s): CARBERRY JOHN

Inventor(s): (std): CARBERRY JOHN ; JOHN CARBERRY

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; CHAPMAN AND CO; ASAMURA PATENT OFFICE PC; PITTS AND LAKE PC; FORSYTH PAUL A 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)

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Patent	Date recorded	Event group	Code	Event	Details
CA2960115 AA	20170302	LSPB	+	published / reissued	
CN107074666 A	20170818	LSPB	+	published / reissued	
CN107074666 A	20170818	LSPB	PB01	PUBLICATION	
EP3189018 A1	20170712	LSPB	+	published / reissued	

EP3189018 A1	20170712	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170405
EP3189018 A4	20181114	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20181011
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JP2017532792 T2	20171102	LSPB	+	published / reissued	
JP2017532792 T2	20180907	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20180907
KR20170128204 A	20171122	LSPB	+	published / reissued	
MX2017002823 A1	20170915	LSPB	+	published / reissued	
US2016072033 AA	20160310	LSPB	+	published / reissued	
US2016072033 AA	20170601	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MOSSEY CREEK TECHNOLOGIES INC., TENNESSEE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CARBERRY, JOHN; REEL/FRAME:042559/0042 EFFECTIVE DATE : 20150904
US2016072033 AA	20170605	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016072033 AA	20170630	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016072033 AA	20170718	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016072033 AA	20170906	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016072033 AA	20170907	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016072033 AA	20170927	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018097168 AA	20180405	LSPB	+	published / reissued	
US2018097168 AA	20171113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MOSSEY CREEK TECHNOLOGIES, INC., TENNESSEE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CARBERRY, JOHN; REEL/FRAME:044102/0169 EFFECTIVE DATE : 20171110
US2018097168 AA	20180905	LSSES	NFA1	Non Final Action Mailed	
US2018097168 AA	20190514	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : FINAL REJECTION MAILED
US9793461 BB	20171017	LSGT	+	granted / extensions (spc, cpc, pte)	
US9793461 BB	20170927	LSGT	PAT1	Patented Case	

US9793461 BB	20350904	PEXP		Calculated Patent Term Expiry	
WO16037175 A1	20160310	LSPB	+	published / reissued	
WO16037175 A1	20170302	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2960115 COUNTRY OF REF DOCUMENT : CA
WO16037175 A1	20170302	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2017/002823 COUNTRY OF REF DOCUMENT : MX
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WO16037175 A1	20170306	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
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Title: METHOD FOR PRODUCING PRESSED ARTICLES CONTAINING COAL PARTICLES

Abstract: In a method for producing pressed articles containing coal particles, before being mixed with a binder system containing water, at least a subset of the coal particles is subjected to at least two impregnation steps in which it is impregnated with at least one substance. The pressed articles may be used, for example, in methods of pig iron production in a packed bed or in methods for producing carbon carriers for methods of pig iron production in a packed bed.

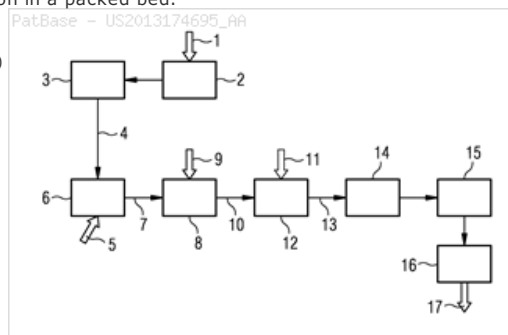
Classifications:

International (IPC 8-9): C10L5/04 C10L5/06 C10L5/10 C10L5/14 C10L5/16 C10L5/22 C10L5/36 C21B13/00 C22B1/245 (Advanced/Invention)

CPC: C21B13/002 C22B1/245 C10L5/06 C10L5/04 C10L5/105 C10L5/14 C10L5/16 C10L5/361 C10L5/10 C10L5/146 C10L5/22 C10L5/34 C21B13/00

European: C10L5/04 C10L5/10B C10L5/14 C10L5/16 C10L5/36B

US: 75/766 75/771

**Family:**

Publication number	Publication date	Application number	Application date
AT510135 A1	20120115	AT20100001179	20100712
AT510135 B1	20161115	AT20100001179	20100712
CN102959058 A	20130306	CN201180033650	20110708
CN102959058 B	20141029	CN201180033650	20110708
DE502011004841 D1	20141211	DE201150004841T	20110708
EP2593536 A1	20130522	EP20110738661	20110708
EP2593536 B1	20141029	EP20110738661	20110708
IN00958DN2013 A	20141024	IN2013DN00958	20130131
IN289304 B	20171110	IN2013DN00958	20130131
KR20130096705 A	20130830	KR20137003563	20110708
US2013174695 AA	20130711	US20110809968	20110708
WO12007385 A1	20120119	WO2011EP61619	20110708

Priority:

AT20100001179 20100712 EP20110738661 20110708 WO2011EP61619 20110708

Probable Assignee: PRIMETALS TECHNOLOGIES AUSTRIA GMBH

Assignee(s): (std): HECKMANN HADO ; PRIMETALS TECH AUSTRIA GMBH ; PRIMETALS TECHNOLOGIES AUSTRIA GMBH ; SIEMENS VAI METALS TECH GMBH ; STOCKINGER JOSEF

Assignee(s): SIEMENS VAI METALS TECHNOLOGIES GMBH

Inventor(s): (std): HECKMANN HADO DIPL ING DR ; STOCKINGER JOSEF DIPL ING ; HECKMANN HADO ; STOCKINGER JOSEF

Inventor(s): STOCKINGER JOSEF DIPLING ; HECKMANN HADO DIPLING DR

Agent(s): MAIER DANIEL OLIVER; MAIER DANIEL

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
AT510135 A1	20120115	LSPB	+	published / reissued	
AT510135 B1	20161115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT510135 B1	20300712	PEXP		Calculated Patent Term Expiry	
CN102959058 A	20130306	LSPB	+	published / reissued	
CN102959058 A	20130306	LSPB	+C06	PUBLICATION	
CN102959058 B	20141029	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102959058 B	20141029	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102959058 B	20160113	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR	

				UTILITY MODEL	
CN102959058 B	20310708	PEXP		Calculated Patent Term Expiry	
EP2593536 A1	20130522	LSPB	+	published / reissued	
EP2593536 A1	20130522	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121127
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				NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT LAPSED DATE : 20141029
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EP2593536 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141029
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EP2593536 B1	20150624	LSAS	RAP2	RIGHTS OF A PATENT TRANSFERRED	PARTY TYPE : OWNER OWNER : PRIMETALS TECHNOLOGIES AUSTRIA GMBH
EP2593536 B1	20150730	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502011004841 COUNTRY OF REF DOCUMENT : DE
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EP2593536 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141029
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EP2593536 B1	20151007	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20150730
EP2593536 B1	20160202	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 502011004841 COUNTRY OF REF DOCUMENT : DE
EP2593536 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141029
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EP2593536 B1	20160229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2593536 B1	20160323	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20150708
EP2593536 B1	20160331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150708
EP2593536 B1	20160420	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
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EP2593536 B1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160627 YEAR OF FEE PAYMENT : 6
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EP2593536 B1	20170915	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 693612 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160708
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EP2593536 B1	20310708	PEXP		Calculated Patent Term Expiry	
IN00958DN2013 A	20141024	LSPB	+	published / reissued	
IN289304 B	20171110	LSGT	+	granted / extensions (spc, cpc, pte)	
IN289304 B	20330131	PEXP		Calculated Patent Term Expiry	
KR20130096705 A	20130830	LSPB	+	published / reissued	
KR20130096705 A	20160608	LSES	A201	REQUEST FOR EXAMINATION	
KR20130096705 A	20171130	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20130096705 A	20181030	LSRV	-E601	DECISION TO REFUSE APPLICATION	
US2013174695 AA	20130711	LSPB	+	published / reissued	

US2013174695 AA	20130719	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SIEMENS VAI METALS TECHNOLOGIES GMBH, AUSTRIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HECKMANN, HADO; STOCKINGER, JOSEF; REEL/FRAME:030838/0210 EFFECTIVE DATE : 20121126	
US2013174695 AA	20160516	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AUSTRIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:SIEMENS VAI METALS TECHNOLOGIES GMBH; REEL/FRAME:038710/0301 EFFECTIVE DATE : 20150107	
US2013174695 AA	20170710	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action		
US2013174695 AA	20170710	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION	
WO12007385 A1	20120119	LSPB	+	published / reissued		
WO12007385 A1	20110708	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180033650.0 COUNTRY OF REF DOCUMENT : CN	
WO12007385 A1	20121123	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011738661 COUNTRY OF REF DOCUMENT : EP	
WO12007385 A1	20130114	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE	
WO12007385 A1	20130212	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20137003563 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :	
WO12007385 A1	20130325	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13809968 COUNTRY OF REF DOCUMENT : US	

Title: GRANULAR BODY DISCHARGE CONTAINER, GRANULAR BODY STORAGE TUBE AND GRANULAR BODY ASSEMBLY

Abstract: PCT No. PCT/JP91/00536 Sec. 371 Date Nov. 14, 1991 Sec. 102(e) Date Nov. 14, 1991 PCT Filed Apr. 23, 1991 PCT Pub. No. WO91/16247 PCT Pub. Date Oct. 31, 1991. Granular body discharge containers for holding granular bodies, such as oral contraceptives, vitamin tablets or candies in a line so that the granular bodies can be discharged have an operating member for discharging the granular bodies is urged in the direction of a linear arrangement of the granular bodies. A side wall of a storage portion is open and releasably receives a storage tube. A granular body receiving member is disposed the a resilient member for urging the granular bodies in a discharging direction. A spring receiving member can be formed unitarily and separably with the granular body receiving member. Indications showing the order of use of the granular bodies are provided on a granular body receiving member serving as an index for these indications. The indications can be provided on a rotary member adapted to be turned at a predetermined angle every time an operating member is pressed. A granular body storage tube can be housed in the discharge container, the storage tube adapted to hold the granular bodies in a line, and has a removable plug that holds the granular bodies therein. The storage tube has a spring biasing granular bodies and a projection on its bottom wall forming a fixing portion with respect to the granular body discharge container. A granular body receiving member is provided between the spring.

Classifications:

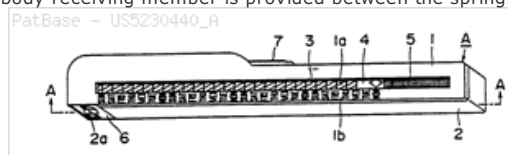
International (IPC 8-9): B65D83/04 (Advanced/Invention); B65D83/04 (Core/Invention)

International (IPC 1-7): A61J1/03 B65D83/04 B65H1/08

CPC: B65D83/0418 B65D2583/0409 B65D2583/0481

European: B65D83/04A1 L65D583/04M1 L65D583/04T2B

US: 221/198 221/227 221/232 221/7 221/8



Family:

Publication number	Publication date	Application number	Application date
AU199176556 A1	19911111	AU19910076556	19910423
AU639331 B2	19930722	AU19910076556	19910423
GB2250019 A1	19920527	GB19910024295	19911115
GB2250019 B2	19940615	GB19910024295	19911115
GB9124295 A0	19920108	GB19910024295	19911115
JP2124742 Y	19970728	JP19900057716U	19900531
JP2142456 Y	19980224	JP19900044698U	19900426
JP2520492 Y2	19961218	JP19900080498U	19900727
JP4003990 U1	19920114	JP19900044698U	19900426
JP4016186 U1	19920210	JP19900057716U	19900531
JP4038986 U1	19920402	JP19900080498U	19900727
JP7039830 Y2	19950913	JP19900057716U	19900531
JP8004458 Y2	19960207	JP19900044698U	19900426
US5230440 A	19930727	US19910773620	19911114
WO9116247 A1	19911031	WO1991JP00536	19910423

Priority:

JP19900044698U 19900426 JP19900057716U 19900531 JP19900080498U 19900727
WO1991JP00536 19910423

Probable Assignee: PENTEL KK

Assignee(s): (std): PENTEL KK

Assignee(s): PENTEL KABUSHIKI KAISHA

Inventor(s): (std): KUROKAWA TAKUMI ; OMATA YUKIO

Inventor(s): TAKUMI KUROKAWA ; TAKUMI KUROKAWA ; YUKIO OMATA ; YUKIO OMATA

Agent(s): GRIFFITH HACK

Designated states: AU GB KR US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199176556 A1	19911111	LSPB	+	published / reissued	
AU639331 B2	19930722	LSGT	+	granted / extensions (spc, cpc, pte)	
AU639331 B2	20110423	PEXP		Calculated Patent Term Expiry	
GB2250019 A1	19920527	LSPB	+	published / reissued	
GB2250019 B2	19940615	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2250019 B2	20001213	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20000423
GB2250019 B2	20111115	PEXP		Calculated Patent Term Expiry	
JP2124742 Y	19970728	LSGT	+	granted / extensions	

JP2142456 Y	19980224	LSGT	+	(spc, cpc, pte) granted / extensions (spc, cpc, pte)	
JP2520492 Y2	19961218	LSPB	+	published / reissued	
JP2520492 Y2	20050727	LSLE	-EXPY	CANCELLATION BECAUSE OF COMPLETION OF TERM	
JP4003990 U1	19920114	LSPB	+	published / reissued	
JP4016186 U1	19920210	LSPB	+	published / reissued	
JP4038986 U1	19920402	LSPB	+	published / reissued	
JP7039830 Y2	19950913	LSPB	+	published / reissued	
JP8004458 Y2	19960207	LSPB	+	published / reissued	
US5230440 A	19930727	LSGT	+	granted / extensions (spc, cpc, pte)	
US5230440 A	19911114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PENTEL KABUSHIKI KAISHA, JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:KUROKAWA, TAKUMI; REEL/FRAME:006042/0223 EFFECTIVE DATE : 19911002
US5230440 A	19930715	LSGT	PAT1	Patented Case	
US5230440 A	19970113	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5230440 A	20010729	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5230440 A	20011002	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20010727
US5230440 A	20180127	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5230440 A	20180127	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5230440 A	20111114	PEXP		Calculated Patent Term Expiry	
WO9116247 A1	19911031	LSPB	+	published / reissued	

Title: SUPERTETRAHEDRON PHOSPHOR FOR SOLID-STATE LIGHTING

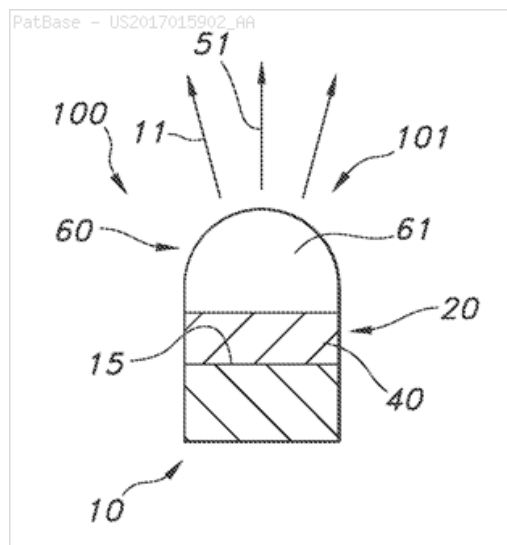
Abstract: The invention provides a lighting unit (100) comprising a light source (10), configured to generate light source light (11) and a luminescent material (20), configured to convert at least part of the light source light (11) into luminescent material light (51), wherein the luminescent material (20) comprises a phosphor (40), wherein this phosphor comprises an alkaline earth aluminum nitride based material having a cubic crystal structure with T5 supertetrahedra, wherein the T5 supertetrahedra comprise at least Al and N, and wherein the alkaline earth aluminum nitride based material further comprises a luminescent lanthanide incorporated therein.

Classifications:

International (IPC 8-9): C09K11/02 C09K11/08 C09K11/64 C09K11/65 C09K11/77 F21V9/00 F21V9/16 G02F1/1335 H01L33/44 H01L33/50 (Advanced/Invention)

CPC: C09K11/655 G02F1/1336 H01L33/44 C09K11/0883 C09K11/025 G02F1/133603 C09K11/7792 C09K11/7721 C09K11/7734 H01L33/502

US: 257/98



Family:

Publication number	Publication date	Application number	Application date
■ CN106164218 A	20161123	CN201580013718	20150310
■ CN106164218 B	20190719	CN201580013718	20150310
■ DE602015002672 D1	20170622	DE201560002672T	20150310
■ EP3116974 A1	20170118	EP20150709884	20150310
■ EP3116974 B1	20170510	EP20150709884	20150310
■ JP2017518388 T2	20170706	JP20160556767T	20150310
■ JP6475257 B2	20190227	JP20160556767T	20150310
■ KR20160132959 A	20161121	KR20167028357	20150310
■ US2017015902 AA	20170119	US20150123927	20150310
■ WO15135888 A1	20150917	WO2015EP54868	20150310

Priority:

EP20140159384 20140313 EP20140159384 20140314 WO2015EP54868 20150310
EP20150709884 20150310

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): KONINKL PHILIPS NV ; PHILIPS KONINKLL NV ; ROYAL DUTCH PHILIPS ELECTRONICS LTD ; UNIV MUENCHEN L MAXIMILIANS

Assignee(s): LUDWIG MAXIMILIANS UNIV MUENCHEN ; LUMILEDS LLC

Inventor(s): (std): WEILER VOLKER ; SCHNICK WOLFGANG ; SCHMIDT PETER JOSEF ; PUST PHILIPP ALEXANDER HUBERT

Agent(s): TER HEEGDE PAUL GERARD MICHEL; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; RUEBER BERNHARD JAKOB

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)

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Patent	Date recorded	Event group	Code	Event	Details
CN106164218 A	20161123	LSPB	+	published / reissued	
CN106164218 A	20161123	LSPB	+C06	PUBLICATION	
CN106164218 A	20161123	LSPB	PB01	公开 (The publication of application)	TEXT : 公开 (DISCLOSURE)
CN106164218 A	20180925	LSAS	TA01	TRANSFER OF PATENT APPLICATION RIGHT	

CN106164218 A	20180925	LSAS	TA01	专利申请权的转移 (Transfer of patent application right)	TEXT : 专利申请权、专利权的转移 (TRANSFER OF PATENT APPLICATION OR PATENT RIGHT) APPLICANT AFTER CHANGE : 亮锐控股有限公司 (LIANG RUI HOLDINGS LTD) APPLICANT BEFORE CHANGE : 皇家飞利浦有限公司 (ROYAL PHILIPS CO) EFFECTIVE DATE : 20180906
CN106164218 B	20190719	LSGT	+	granted / extensions (spc, cpc, pte)	
CN106164218 B	20190719	LSGT	+GR01	授权 (The grant of patent right)	TEXT : 授权 (AUTHORIZATION)
CN106164218 B	20350310	PEXP		Calculated Patent Term Expiry	
DE602015002672 D1	20181212	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : LUMILEDS HOLDING B.V., SCHIPHOL, NL OLDPARTY : KONINKLIJKE PHILIPS N.V., EINDHOVEN, NL
EP3116974 A1	20170118	LSPB	+	published / reissued	
EP3116974 A1	20170118	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20161013
EP3116974 A1	20170315	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C09K 11/65 20060101AFI20170203BHEP
EP3116974 A1	20170315	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G02F 1/1335 20060101ALI20170203BHEP
EP3116974 A1	20170315	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C09K 11/02 20060101ALI20170203BHEP
EP3116974 A1	20170315	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C09K 11/08 20060101ALI20170203BHEP
EP3116974 A1	20170315	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : H01L 33/50 20100101ALI20170203BHEP
EP3116974 A1	20170315	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C09K 11/77 20060101ALI20170203BHEP
EP3116974 A1	20170329	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170301
EP3116974 B1	20170510	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3116974 B1	20170510	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP3116974 B1	20170515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP3116974 B1	20170515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 892321 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170515
EP3116974 B1	20170531	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP3116974 B1	20170622	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602015002672

					COUNTRY OF REF DOCUMENT : DE
EP3116974 B1	20170925	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP3116974 B1	20171015	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 892321 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170510
EP3116974 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 : 20170510
EP3116974 B1	20171031	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 : 20170510
EP3116974 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 : 20170510
EP3116974 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 : 20170810
EP3116974 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 : 20170510
EP3116974 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 : 20170510
EP3116974 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 : 20170811
EP3116974 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 : 20170510
EP3116974 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE

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EP3116974 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 : 20170910
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EP3116974 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 : 20170510
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EP3116974 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 : 20170510
EP3116974 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 : 20170510
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EP3116974 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 : 20170510

EP3116974 B1	20180213	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602015002672 COUNTRY OF REF DOCUMENT : DE
EP3116974 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 : 20170510
EP3116974 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 : 20170510
EP3116974 B1	20180302	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : LUMILEDS HOLDING B.V., NL REF LEGAL EVENT CODE : TP EFFECTIVE DATE : 20180126
EP3116974 B1	20180329	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 4
EP3116974 B1	20180418	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180213
EP3116974 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180329 YEAR OF FEE PAYMENT : 4
EP3116974 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180530 YEAR OF FEE PAYMENT : 4
EP3116974 B1	20181130	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 : 20170510
EP3116974 B1	20181212	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : LUMILEDS HOLDING B.V., NL REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 602015002672 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: KONINKLIJKE PHILIPS N.V., EINDHOVEN, NL
EP3116974 B1	20181226	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP3116974 B1	20181231	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 : 20180310
EP3116974 B1	20190131	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 : 20180310
EP3116974 B1	20190228	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : BE

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180331
EP3116974 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 : 20180331
EP3116974 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 : 20180331
EP3116974 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190328 YEAR OF FEE PAYMENT : 5
EP3116974 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20190327 YEAR OF FEE PAYMENT : 5
EP3116974 B1	20350310	PEXP		Calculated Patent Term Expiry	
JP2017518388 T2	20170706	LSPB	+	published / reissued	
JP2017518388 T2	20180308	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20180308
JP2017518388 T2	20181227	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2017518388 T2	20190108	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20190108
JP2017518388 T2	20190207	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20190131
JP2017518388 T2	20190208	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6475257 COUNTRY OF REF DOCUMENT : JP
JP6475257 B2	20190227	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6475257 B2	20190110	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6475257 B2	20190205	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6475257 B2	20190208	LSGT	+R150	特許証 (Patent certificate)	
JP6475257 B2	20190325	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP6475257 B2	20190402	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP6475257 B2	20350310	PEXP		Calculated Patent Term Expiry	
KR20160132959 A	20161121	LSPB	+	published / reissued	
US2017015902 AA	20170119	LSPB	+	published / reissued	
US2017015902 AA	20160906	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KONINKLIJKE PHILIPS N.V., NETHERLANDS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNORS:WEILER, VOLKER; SCHMIDT, PETER JOSEF; PUST, PHILIPP ALEXANDER HUBERT; AND OTHERS; SIGNING DATES FROM 20150310 TO 20150311; REEL/FRAME:039641/0777
US2017015902 AA	20180409	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUMILEDS LLC, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KONINKLIJKE PHILIPS N.V.; REEL/FRAME:045859/0005 EFFECTIVE DATE : 20170428
US2017015902 AA	20190501	LSSES	NFA1	Non Final Action Mailed	
WO15135888 A1	20150917	LSPB	+	published / reissued	
WO15135888 A1	20160906	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15123927 COUNTRY OF REF DOCUMENT : US
WO15135888 A1	20160909	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2016556767 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO15135888 A1	20160913	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15135888 A1	20161006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2015709884 COUNTRY OF REF DOCUMENT : EP
WO15135888 A1	20161012	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20167028357 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

Abstract: (Claim 1) 1. I claim_ in a projectile for a shoulder-fired rocket projector, a smooth, generally cylindrical rocket casing having its rear portion tapering to a rearwardly-directed nozzle and ' a forward reduced externally threaded neck, a cylindrical explosive coxinitator having its rear end wall internally threaded to engage the threads of said neck to unite said casings into a continuous smoothwalled cylindrical pro'jectile, a tr_ ,nverse wall Integral with said explosive container immediately forwardly of the internal thres_ds thereof, a thin-walled hollow ogival nose section attachp-d to and closing the forward end of said explosive container, said nose having a con-ical re-entrant portion extending into said explosive container and forming therewith a closed chamber, an explosive charge'filling said chambe'r, a disc of heat-insulating material having its rim clamped between said wall and the threaded n6ek of said rocket casing, and an impact fuze having an enlarged head clamped between said waR and disc and a reduced body portion extending through an aperture in s id W'all int; ' aid ex,616sixe charge.

US: 102/379 102/380 102/476 244/3.3 60/253



Priority:

US19440522293 19440214

Probable Assignee: WILLIAM H KESSENICH

Assignee(s): (std): CHRISTOPHER J KESSENICH ; PAULINE C KESSENICH ; ROSE MARY C KESSENICH ; THOMAS G KESSENICH
: WILLIAM H KESSENICH

Inventor(s): (std): KESSENICH GREGORY J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2579323 A	19511218	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: OIL-IN-WATER EMULSIFICATION COMPOSITION FOR BOILED RICE AND BOILED RICE UTILIZING THE SAME

Abstract: An additive for boiled rice that is used to avoid the lowering of efficiency at boiling for boiled rice or the like and to obtain a boiled rice of high quality presenting soft texture which is free from drying and sogginess resulting from moisture transfer during the storage thereof. There is provided an oil-in-water emulsification composition comprising a water soluble polysaccharide derived from soybean. High effect can be realized by the use of a water soluble soybean polysaccharide with a certain level or more of emulsifying capacity, and striking effect can be realized by the use of an emulsification composition comprising this polysaccharide with high emulsifying capacity combined with a polysaccharide having a certain level of viscosity even if its emulsifying capacity is poor.

Classifications:

International (IPC 8-9): A23D7/00 A23L1/10 A23L1/182 A23L1/20 A23L11/00 A23L7/10 A23L7/196 (Advanced/Invention); A23L1/10 A23L1/182 A23L1/20 (Core/Invention)

International (IPC 1-7): A23L1/10

CPC: A23L23/00 A23L7/196 A23L13/06 A23L29/206

European: A23L1/052 A23L1/182 A23L1/31K A23L1/39

US: 426/618 426/634

Family:

Publication number	Publication date	Application number	Application date
CN101052315 A	20071010	CN200580030412	20050907
CN101052315 B	20111207	CN200580030412	20050907
EP1800548 A1	20070627	EP20050782267	20050907
EP1800548 A4	20080917	EP20050782267	20050907
JP2006028149 A1	20080508	JP20060535798T	20050907
JP4458092 B1	20100428	JP20060535798T	20050907
JP4458092 B2	20100428	JP20060535798T	20050907
US2007269578 AA	20071122	US20050574523	20050907
WO06028149 A1	20060316	WO2005JP16444	20050907

Priority:

JP20040264412 20040910 WO2005JP16444 20050907

Probable Assignee: FUJI OIL CO LTD

Assignee(s): (std): ASANO HIROKAZU ; FUJI OIL CO LTD ; SUZUKI KIYOHITO ; TAKAHASHI TARO ; TOYOFUKU YOSHIKO

Assignee(s): FUJI OIL COMPANY LIMITED ; FUJI OIL COMPANY LTD ; FUJI OIL CO

Inventor(s): (std): TAKAHASHI TARO ; TOYOFUKU YOSHIKO ; ASANO HIROKAZU ; SUZUKI KIYOHITO ; KIYOHITO TAKAHASHI TARO TOYOFU

Inventor(s): TAKAHASHI TARO TOYOFUKU YOSHIKO ASANO HIROKAZU... ; TAKAHASHI TARO TOYOFUKU YOSHIKO ASANO HIROKAZU SUZUKI KIYOHITO

Agent(s): PAUL AND PAUL

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 KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO 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)

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Patent	Date recorded	Event group	Code	Event	Details
CN101052315 A	20071010	LSPB	+	published / reissued	
CN101052315 A	20071010	LSPB	+C06	PUBLICATION	
CN101052315 B	20111207	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101052315 B	20111207	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101052315 B	20250907	PEXP		Calculated Patent Term Expiry	
EP1800548 A1	20070627	LSPB	+	published / reissued	
EP1800548 A1	20070627	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070312
EP1800548 A4	20080917	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20080821
EP1800548 A4	20081231	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20081127

EP1800548 A4	20141015	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20140917
EP1800548 A4	20150722	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20140128
EP1800548 A4	20150826	LSDW	-R18D	APPLICATION DEEMED TO BE WITHDRAWN (CORRECTED)	EFFECTIVE DATE : 20150128
JP2006028149 A1	20080508	LSPB	+	published / reissued	
JP4458092 B1	20100428	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4458092 B1	20100121	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP4458092 B1	20100121	LSFE	R1001	特許料納付書 (包括納付) (Patent fee payment form (inclusive payment))	
JP4458092 B1	20100219	LSGT	+R150	特許証 (Patent certificate)	
JP4458092 B1	20120425	LSFE	R2521	自動納付登録通知書 (Automatic payment registration notice)	
JP4458092 B1	20121218	LSFE	R2522	自動納付事前通知書 (Automatic advance notice)	
JP4458092 B1	20121220	LSFE	R2001	特許料納付書 (自動納付) (Patent fee payment form (automatic payment))	
JP4458092 B1	20130122	LSFE	+R250	年金領収書, 年金領収書 (分納) (Pension receipt, annuity receipt (scheduled))	
JP4458092 B1	20131217	LSFE	R2522	自動納付事前通知書 (Automatic advance notice)	
JP4458092 B1	20131219	LSFE	R2001	特許料納付書 (自動納付) (Patent fee payment form (automatic payment))	
JP4458092 B1	20140121	LSFE	+R250	年金領収書, 年金領収書 (分納) (Pension receipt, annuity receipt (scheduled))	
JP4458092 B1	20140829	LSRE	R313531	表示変更登録申請書 (住所) (Display change registration application (address))	
JP4458092 B1	20140908	LSAS	R350	移転登録済通知書 (Transfer registered notice)	
JP4458092 B1	20141216	LSFE	R2522	自動納付事前通知書 (Automatic advance notice)	
JP4458092 B1	20141218	LSFE	R2001	特許料納付書 (自動納付) (Patent fee payment form (automatic payment))	
JP4458092 B1	20150120	LSFE	+R250	年金領収書, 年金領収書 (分納) (Pension receipt, annuity receipt (scheduled))	
JP4458092 B1	20151119	LSAS	R313111	本権移転登録申請書 (相続 合併) (Application for registration of right of transfer (inheritance merger))	

JP4458092 B1	20151215	LSFE	R2522	自動納付事前通知書 (Automatic advance notice)	
JP4458092 B1	20151217	LSFE	R2001	特許料納付書 (自動納付) (Patent fee payment form (automatic payment))	
JP4458092 B1	20151224	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4458092 B1	20160106	LSFE	R2523	自動納付終了通知書 (Automatic payment end notice)	
JP4458092 B1	20160126	LSFE	R2501	年金領収書 (一括) (Pension receipt (bulk))	
JP4458092 B1	20160126	LSFE	R2524	自動納付納付済通知書 (Automatic payment of payment notice)	
JP4458092 B1	20170202	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4458092 B1	20170207	LSFE	R2501	年金領収書 (一括) (Pension receipt (bulk))	
JP4458092 B1	20180201	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4458092 B1	20180206	LSFE	R2501	年金領収書 (一括) (Pension receipt (bulk))	
JP4458092 B1	20250907	PEXP		Calculated Patent Term Expiry	
JP4458092 B2	20100428	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4458092 B2	20091111	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20091110
JP4458092 B2	20091215	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20091214
JP4458092 B2	20100112	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP4458092 B2	20100120	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20100119
JP4458092 B2	20100121	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP4458092 B2	20100218	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20100201
JP4458092 B2	20100219	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4458092 B2	20100222	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4458092 B2	20120425	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4458092 B2	20121107	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT	YEAR OF FEE PAYMENT : 3

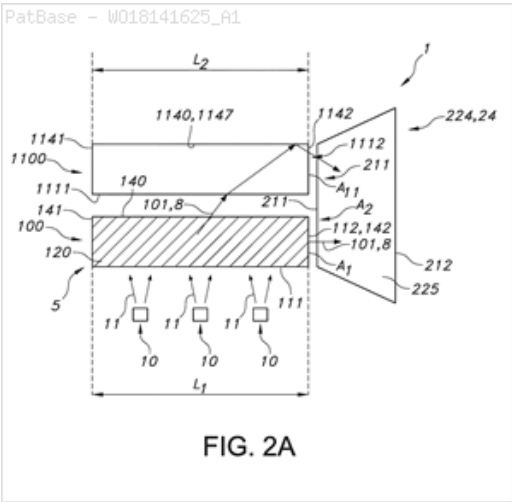
JP4458092 B2	20121220	LSFE	+FPAY	DATE IS RENEWAL DATE OF DATABASE) RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4458092 B2	20130122	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4458092 B2	20140121	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4458092 B2	20140908	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4458092 B2	20150120	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4458092 B2	20151119	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313111
JP4458092 B2	20151208	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP4458092 B2	20151216	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4458092 B2	20151222	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313111
JP4458092 B2	20160106	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4458092 B2	20250907	PEXP		Calculated Patent Term Expiry	
US2007269578 AA	20071122	LSPB	+	published / reissued	
US2007269578 AA	20070301	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FUJI OIL COMPANY, LIMITED, JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TAKAHASHI, TARO; TOYOFUKU, YOSHIKO; ASANO, HIROKAZU; AND OTHERS; REEL/FRAME:018946/0843 EFFECTIVE DATE : 20070213
US2007269578 AA	20110729	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007269578 AA	20110729	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO06028149 A1	20060316	LSPB	+	published / reissued	
WO06028149 A1	20070301	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11574523 COUNTRY OF REF DOCUMENT : US
WO06028149 A1	20070309	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580030412.9 COUNTRY OF REF DOCUMENT : CN
WO06028149 A1	20070312	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005782267 COUNTRY OF REF DOCUMENT : EP
WO06028149 A1	20070313	LSNE	NENP	NON-ENTRY INTO	REF COUNTRY CODE : DE

				THE NATIONAL PHASE IN:	
WO06028149 A1	20070614	LSPN	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006535798 COUNTRY OF REF DOCUMENT : JP
WO06028149 A1	20070627	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005782267 COUNTRY OF REF DOCUMENT : EP
WO06028149 A1	20071122	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 11574523 COUNTRY OF REF DOCUMENT : US

Title: LIGHT CONCENTRATOR MODULE

Abstract: The invention provides a lighting device (1) comprising: - one or more light sources (10) configured to provide light source light (11); - a luminescent element (5) comprising a luminescent body (100) having a first face (141) and a second face (142) defining a length (L) of the light transmissive body (100), the light transmissive body (100) comprising one or more radiation input faces (111) and a first radiation exit window (112), wherein the second face (142) comprises the first radiation exit window (112); the luminescent body (100) comprising a luminescent material (120) configured to convert at least part of light source light (11) received at one or more radiation input faces (111) into luminescent material light (8), and the luminescent element (5) configured to couple at least part of the luminescent material light (8) out at the first radiation exit window (112) as converter light (101), wherein the first radiation exit window (112) has a first radiation exit window surface area (A1); - a beam shaping optical element (224) optically coupled with the first radiation exit window (112), the beam shaping optical element comprising a radiation entrance window (211) configured to receive at least part of the converter light (101), wherein the radiation entrance window (211) has a radiation entrance window surface area (A2) which is larger than the first radiation exit window surface area (A1).

Classifications:
International (IPC 8-9): F21V8/00 (Advanced/Invention)
CPC: G02B6/0003 G02B6/0068 G02B6/0076 G02B19/0066



Family:

Publication number	Publication date	Application number	Application date
WO18141625 A1	20180809	WO2018EP51844	20180125

Priority:

EP20170154518 20170203

Probable Assignee: PHILIPS LIGHTING HOLDING BV

Assignee(s): (std): PHILIPS LIGHTING HOLDING BV

Inventor(s): (std): DE VAAN ADRIANUS

Inventor(s): DE VAAN ADRIANUS JOHANNES STEPHANUS MARIA

Agent(s): MALLENS ERIK PETRUS JOHANNES 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
WO18141625 A1	20180809	LSPB	+	published / reissued	

Title: METHOD FOR EVALUATING THE QUALITY OF ABRASIVE GRAINS, POLISHING METHOD AND ABRASIVE FOR POLISHING GLASS

Abstract: A method for evaluating the quality of abrasive grains for polishing glass, which comprises adding abrasive grains to be measured, to an aqueous medium having silica dissolved therein, to have the silica adsorbed on the abrasive grains under such a condition that the silica undergoes substantially no polymerization in the aqueous medium, followed by solid-liquid separation to separate the abrasive grains from the mother liquor, and measuring the concentration of silica remaining in the mother liquor to measure the adsorption rate (η) of silica on the abrasive grains.

Classifications:

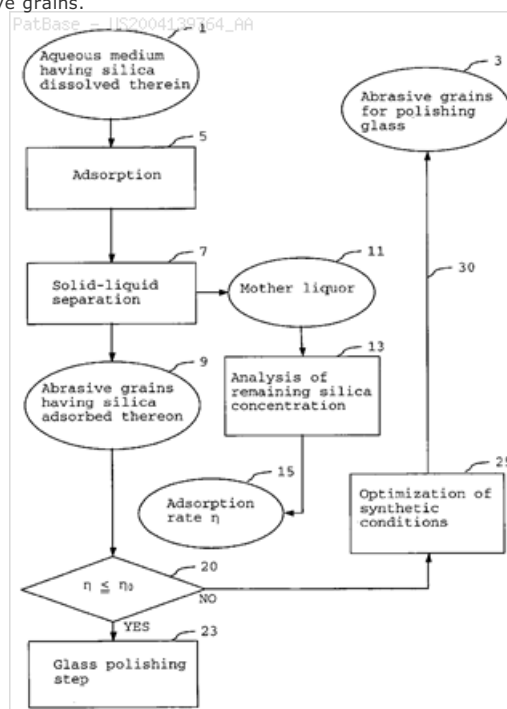
International (IPC 8-9): B24B13/00 B24B9/08 C03C19/00 C09K3/14 G01N33/40 G01N9/00 (Advanced/Invention); B24B13/00 B24B37/04 B24B9/06 C03C19/00 C09K3/14 G01N33/40 G01N9/00 (Core/Invention)

International (IPC 1-7): B24B9/08 B24D3/02 C09K3/14 G01N33/40 G01N9/00

CPC: B24B13/0018 B24B37/04 C03C19/00

European: B24B13/00F B24B37/04 C03C19/00

US: 106/3 423/263 451/41 51/307 51/309 65/61



Family:

Publication number	Publication date	Application number	Application date
CN100491493 C	20090527	CN200310116366	20031121
CN1502666 A	20040609	CN200310116366	20031121
JP2004219391 A2	20040805	JP20030037127	20030214
JP4248889 B2	20090402	JP20030037127	20030214
TW200422387 A	20041101	TW20030132438	20031119
TWI308927 B	20090421	TW20030132438	20031119
US2004139764 AA	20040722	US20030717550	20031121
US7025796 BB	20060411	US20030717550	20031121

Priority:

JP20020338887 20021122 JP20030037127 20030214

Probable Assignee: SEIMI CHEMICAL CO LTD

Assignee(s): (std): ASAHI GLASS CO LTD ; SEIMI CHEM CO LTD ; SEIMI CHEM KK ; SEIMI CHEMICAL CO LTD

Assignee(s): SEIMI CHEMICALCO LTD ; SEIMI CHEMICAL CO ; ASAHI GLASS COMPANY LIMITED ; N A

Inventor(s): (std): KOMIYA HIROTSUGU ; YAMAGUCHI SUMIHISA ; HISATSUNE TETSUFUMI ; TAKENAKA ATSUYOSHI ; YONEMORI SHIGEAKI ; KOMIYA HIROSHI ; YAMAGUCHI ARIHISA ; HISATSUNE TETSUSHI ; HIROTSUGU OSHIMA ; TETSUSHI YAMAGUCHI ARIHISSA HI ; TETSUSHI YAMAGUCHI ARIHISSA ; TETSUFUMI HISATSUNE ; HIROTSUGU KOMIYA ; SHIGEAKI YONEMORI ; ATSUYOSHI TAKENAKA ; SUMIHISA YAMAGUCHI ; OSHIMA HIROTSUGU ; YAMAGUCHI ARIHISSA HISATSUNE TETSUSHI

Agent(s): OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN100491493 C	20090527	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100491493 C	20090527	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	

CN100491493 C	20231121	PEXP		Calculated Patent Term Expiry	
CN1502666 A	20040609	LSPB	+	published / reissued	
CN1502666 A	20040609	LSPB	+C06	PUBLICATION	
JP2004219391 A2	20040805	LSPB	+	published / reissued	
JP2004219391 A2	20050601	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20050531
JP2004219391 A2	20080626	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080625
JP2004219391 A2	20080823	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080822
JP2004219391 A2	20090105	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2004219391 A2	20090113	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20090109
JP2004219391 A2	20090115	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2004219391 A2	20090122	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20090114
JP2004219391 A2	20090123	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2004219391 A2	20090123	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4248889 B2	20090402	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4248889 B2	20090120	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4248889 B2	20111004	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4248889 B2	20111013	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4248889 B2	20111013	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4248889 B2	20111208	LSFE	R20	特許料納付書 (Patent fee payment)	

form)					
JP4248889 B2	20111213	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP4248889 B2	20150113	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313117
JP4248889 B2	20150121	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4248889 B2	20150122	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4248889 B2	20150127	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4248889 B2	20151022	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4248889 B2	20151027	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4248889 B2	20170112	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4248889 B2	20170131	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4248889 B2	20171207	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4248889 B2	20171212	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4248889 B2	20181227	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4248889 B2	20190122	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4248889 B2	20230214	PEXP		Calculated Patent Term Expiry	
TW200422387 A	20041101	LSPB	+	published / reissued	
TWI308927 B	20090421	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI308927 B	20170121	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO NON-PAYMENT OF FEES	
TWI308927 B	20231119	PEXP		Calculated Patent Term Expiry	
US2004139764 AA	20040722	LSPB	+	published / reissued	
US2004139764 AA	20041008	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEIMI CHEMICAL CO., LTD., JAPAN OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE'S NAME ON AN ASSIGNMENT PREVIOUSLY RECORDED ON REEL 015192 FRAME 0241; ASSIGNORS:KOMIYA, HIROTSUGU; YAMAGUCHI, SUMIHISA; HISATSUNE, TETSUFUMI; AND OTHERS;

REEL/FRAME:015876/0210; SIGNING DATES FROM 20031128 TO 20031204					
US2004139764 AA	20060322	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7025796 BB	20060411	LSGT	+	granted / extensions (spc, cpc, pte)	
US7025796 BB	20040408	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEIMI CHEMICALCO., LTD., JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KOMIYA, HIROTSUGU; YAMAGUCHI, SUMIHISA; HISATSUNE, TETSUFUMI; AND OTHERS; REEL/FRAME:015192/0241; SIGNING DATES FROM 20031128 TO 20031204
US7025796 BB	20060322	LSGT	PAT1	Patented Case	
US7025796 BB	20090909	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7025796 BB	20130911	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7025796 BB	20170928	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US7025796 BB	20240309	PEXP		Calculated Patent Term Expiry (PTA 109 days)	

Title: TAPE REINFORCED GRAIN DOOR PANEL

Abstract: 998,906. Laminates. WALNUT INDUSTRIES Inc. March 23, 1964 [Dec. 31, 1963], No. 12174/64. Addition to 976,157. Heading B5N. [Also in Division B7] A grain door 30 comprising two layers of paper sandwiching a core of corrugated paper and having bonded between the core and one outer layer a number of spaced flexible non-metallic tapes which are exposed at their ends by providing apertures in the outer-layer, is characterized by a top flap 24a constituting an extension of an outer-layer. The door is scored to be folded in halves, and to form a floor flap 29, and in use is secured by adhesive across the doorway in a rail-car, battens 40, 42 being nailed to the car body to hold down the flap 29 and support the upper edge of the door respectively, the top flap 24a being turned over and adhesively secured to the batten 42.

Classifications:

International (IPC 8-9): B31D5/00 B60J5/04 B60P1/00 B60P1/28 B60P7/14 B60P9/00 B61D19/00 B61D45/00 B62D29/00 B62D29/04 B65D5/44 B65D65/38 B65D65/40 B65D75/68 E04B2/74 E04C2/34 E04C2/40 (Advanced/Invention); B60J5/04 B60P1/00 B60P1/04 B60P7/06 B60P9/00 B61D19/00 B61D45/00 B62D29/00 B65D5/44 B65D65/38 B65D65/40 B65D75/52 E04B2/74 E04C2/34 E04C2/40 (Core/Invention); B60J B61D (Subclass/Invention)

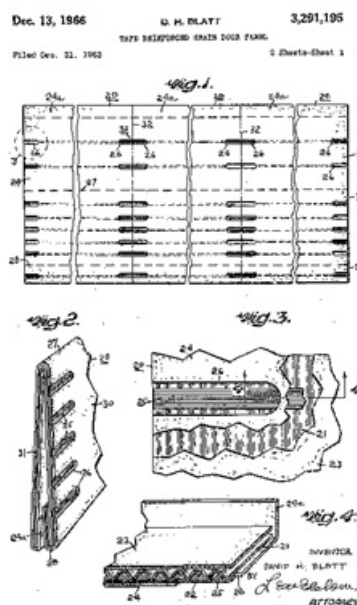
International (IPC 1-7): B31F B60J B60J5/04 B60P1/00 B60P1/28 B60P7/14 B60P9/00 B61D19/00 B61D45/00 B61D49/00 B62D29/00 B62D33/04 B65D E04C E04F15/02 E04F5/00

CPC: B60J5/0497 B60P1/003 B60P1/28 B60P7/14 B61D19/00 B61D19/002 B61D45/006 B62D29/00 B62D29/04 B65D5/441 B65D5/443 B65D65/38 B65D65/403 B65D75/68 E04B2/74 E04C2/3405 E04C2/40 E04C2002/3466

European: P04C2/34B2D

US: 160/370.1

PatBase - US3291195_A



Family:

Publication number	Publication date	Application number	Application date
AT246772 B	19660510	AT19620006624	19620817
AT252304 B	19670210	AT19640004932	19640609
AT252305 B	19670210	AT19640010360	19620817
AU4267364 A1	19651007	AU19640042673	19640401
BE621497 A	00000000		00000000
BE647465 A	19640831		19640504
CH390785 A	19650415	CH19620010076	19620824
CH413894 A	19660531	CH19640006967	19640528
ES280259 A1	19630301	ES19620280259	19620824
FR1338482 A	19630927	FR19620906574	19620809
FR85674 E	19650924	FR19640973064	19640430
GB976157 A	19641125	GB19620027349	19620717
GB998906 A	19650721	GB19640012174	19640323
NL282120 A	00000000		00000000
NL6406544 A	19650702	NL19640006544	19640610
SE309791 B	19690408	SE19620008429	19620731
US3291195 A	19661213	US19630334835	19631231

Priority:

US19610133835 19610825 US19610160500 19611219 US19620177573 19620305
 US19620192819 19620507 FR19620906574 19620809 US19630334835 19631231
 FR19640973064 19640430

Probable Assignee: WALNUT IND CO

Assignee(s): (std): WALNUT IND ; WALNUT IND CO ; WALNUT IND INC

Inventor(s): (std): DAVID HERBERT BLATT ; BLATT DAVID H ; BLATT D ; BLATT DAVID HERBERT

Inventor(s): HERBERT BLATT DAVID

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT246772 B	19660510	LSGT	+	granted / extensions (spc, cpc, pte)	
AT246772 B	19820817	PEXP		Calculated Patent Term Expiry	
AT252304 B	19670210	LSGT	+	granted / extensions (spc, cpc, pte)	
AT252304 B	19840609	PEXP		Calculated Patent Term Expiry	
AT252305 B	19670210	LSGT	+	granted / extensions (spc, cpc, pte)	
AT252305 B	19820817	PEXP		Calculated Patent Term Expiry	
AU4267364 A1	19651007	LSPB	+	published / reissued	
BE621497 A	00000000	LSPB	+	published / reissued	
BE621497 A	19200101	PEXP		Calculated Patent Term Expiry	
BE647465 A	19640831	LSPB	+	published / reissued	
BE647465 A	19840504	PEXP		Calculated Patent Term Expiry	
CH390785 A	19650415	LSGT	+	granted / extensions (spc, cpc, pte)	
CH390785 A	19820824	PEXP		Calculated Patent Term Expiry	
CH413894 A	19660531	LSGT	+	granted / extensions (spc, cpc, pte)	
CH413894 A	19840528	PEXP		Calculated Patent Term Expiry	
ES280259 A1	19630301	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1338482 A	19630927	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1338482 A	19820809	PEXP		Calculated Patent Term Expiry	
GB976157 A	19641125	LSGT	+	granted / extensions (spc, cpc, pte)	
GB976157 A	19820717	PEXP		Calculated Patent Term Expiry	
GB998906 A	19650721	LSGT	+	granted / extensions (spc, cpc, pte)	
GB998906 A	19840323	PEXP		Calculated Patent Term Expiry	
NL282120 A	00000000	LSPB	+	published / reissued	
NL6406544 A	19650702	LSPB	+	published / reissued	
SE309791 B	19690408	LSPB	+	published / reissued	
US3291195 A	19661213	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Measurer, in particular Taschenmesser

Abstract: Source: DE29920481U1 [DE] (Claim 1) 1. Messer mit einem Griff und einer Klinge (13), insbesondere Taschenmesser mit zwei miteinander verbundenen Griffschalen (10, 11) und mindestens einer um ein Lager schwenkbaren Messerklinge (13), und einer ueber einen Druckknopf (23) betaetigbaren Lampe mit einer Spannungsversorgung (25), dadurch gekennzeichnet, dass zwischen der Lampe (27) und einer am Griff oder an einer der Griffschalen (10, 11) vorgesehenen Lichtaustrittsoeffnung eine zumindest teilweise lichtdurchlaessige Folie (29) angeordnet ist.

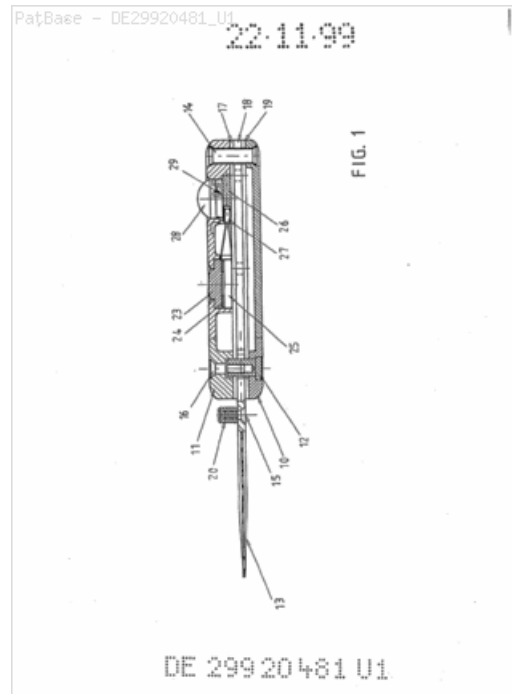
Machine translation: (Claim 1) 1. Measurer marked by a grasp and a blade (13), in particular Taschenmesser by two connected grip caps (10, 11) and at least a knife blade (13), tiltable around a camp, and one over a pushbutton (23) operatable lamp by a voltage supply (25), by the fact that between the lamp (27) and one at the grasp or at one of the grip caps (10, 11) intended light outlet a at least partial translucent foil (29) is arranged.

Classifications:

International (IPC 8-9): B26B11/00 (Advanced/Invention);
B26B11/00 (Core/Invention)

International (IPC 1-7): B26B1/02 B26B11/00

CPC: B26B11/008



Family:

Publication number	Publication date	Application number	Application date
DE29920481 U1	20000330	DE19992020481U	19991122

Priority:

DE19992020481U 19991122

Probable Assignee: HEINR BOEKER BAUMWERK GMBH

Assignee(s): (std): HEINR BOEKER BAUMWERK GMBH

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE29920481 U1	20000330	LSGT	+	granted / extensions (spc, cpc, pte)	
DE29920481 U1	20000330	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20000330
DE29920481 U1	20030911	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20030531
DE29920481 U1	20091122	PEXP		Calculated Patent Term Expiry	

Title: METHOD FOR EXTRACTING SESAME OIL BY COMBINING ULTRASOUND-ASSISTED EXTRACTION AND PRESSING

Abstract: The invention discloses a method for extracting sesame oil by combining ultrasound-assisted extraction and pressing. The method is characterized in that a mode of baking and aging in a drum type baking oven is adopted, the temperature is controlled at 120 to 130 DEG C, and uniform heating is realized; with low baking temperature, the damage to natural nutrients in sesame can be avoided; aged sesame is crushed and then is pressed; compared with an existing whole **grain pressing** mode, the mode disclosed by the invention has high oil yield; oil residues are subjected to ultrasonic cavitation, mechanical stirring, thermal effect and the like and is simultaneously mixed with an environment-friendly and reusable extracting agent, so that the extraction rate of the oil residues is improved. The sesame oil extracted by the method disclosed by the invention has the advantages of limpid color, high oil yield and high utilization rate of the oil residues.

Classifications:

International (IPC 8-9): C11B1/04 C11B1/06 C11B1/10 C11B3/12 (Advanced/Invention)

CPC: C11B1/04 C11B1/06 C11B1/106 C11B1/108 C11B3/12

Family:

Publication number	Publication date	Application number	Application date
 CN108998203 A	20181214	CN201810817599	20180724

Priority:

CN201810817599 20180724

Probable Assignee:

YAO ZHIYU

Assignee(s): (std):

YAO ZHIYU

Assignee(s):

YAO YU CHI

Inventor(s): (std):

YAO ZHIYU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN108998203 A	20181214	LSPB	+	published / reissued	
CN108998203 A	20181214	LSPB	PB01	PUBLICATION	

Title: METHOD AND DEVICE FOR DEGASSING MILK AND SEPARATION FROM QUANTITIES OF MILK.

Abstract: The method and device is used when transferring the quantities of milk concerned from a milk container into a reservoir. By such a method, which operates with a smaller stock of milk than the known methods, an improved degree of elimination of air from milk is achieved than in these methods. The device for carrying out the method and its further development permits a further improvement in the degree of elimination of air from milk than with known devices and a more accurate fixing of quantities, in particular in the case of surging milk conveyance. In the method this is ensured, inter alia, by specifically controlled enforcing of the degassing by centrifugal forces in a rotating main flow, which draws its driving energy from itself, and by carrying out 2-stage degassing. This is achieved by the device, inter alia, by the housing shell (1a) having a small diameter in relation to its height in the area of the inlet nozzle (1d), by the outlet nozzle (1e) opening out tangentially from the housing shell (1a), by the float (6) enclosing the displacement body (5) by the central opening (6a) during its switching phase, and by a tubular, self-contained sheet-metal guide (10) being provided in connection with the inlet nozzle (1d) (Figure 6).

Classifications:

International (IPC 8-9): A01J11/04 (Advanced/Invention);

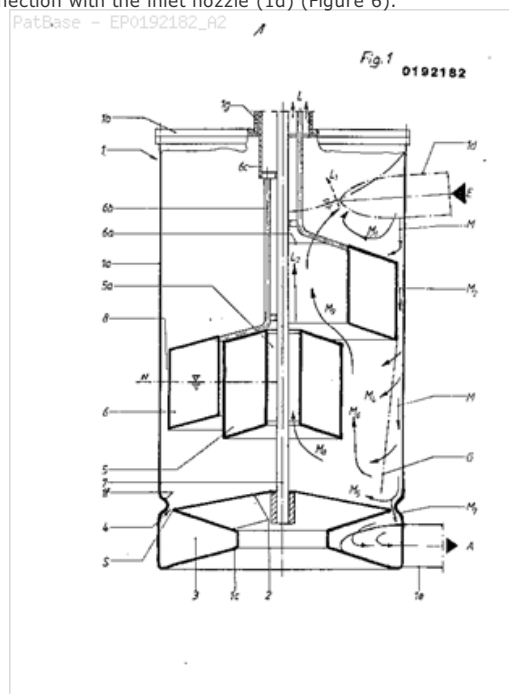
A01J11/00 (Core/Invention)

International (IPC 1-7): A01J11/04 B01D19/00

CPC: A01J11/04

European: A01J11/04

PatBase - EP0192182_A2



Family:

Publication number	Publication date	Application number	Application date
DE3505466 C1	19860430	DE19853505466	19850216
EP0192182 A2	19860827	EP19860101780	19860212
EP0192182 A3	19880120	EP19860101780	19860212

Priority:

DE19853505466 19850216

Probable Assignee: TUCHENHAGEN OTTO GMBH

Assignee(s): (std): TUCHENHAGEN OTTO GMBH

Assignee(s): OTTO TUCHENHAGEN GMBH AND CO KG ; OTTO TUCHENHAGEN GMBH AND CO KG 2059 BUECHEN DE

Inventor(s): (std): FUHRMANN PETER ING ; FUHRMANN PETER ING GRAD ; MIETH HANS OTTO ; MIETH HANS OTTO DIPL ING

Inventor(s): MIETH HANS OTTO 2058 SCHNAKENBEK DE ; FUHRMANN PETER ING GRAD 2053 SCHWARZENBEK DE

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE3505466 C1	19860430	LSGT	+	granted / extensions (spc, cpc, pte)	
DE3505466 C1	19860430	LSPB	+8100	PUBLICATION OF THE EXAMINED APPLICATION WITHOUT PUBLICATION OF UNEXAMINED APPLICATION	
DE3505466 C1	19860430	LSGT	+D1	GRANT (NO UNEXAMINED APPLICATION PUBLISHED) PATENT LAW 81	
DE3505466 C1	19861009	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE3505466 C1	19870611	LSGT	+8365	FULLY VALID AFTER OPPOSITION PROCEEDINGS	
DE3505466 C1	19950216	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	

EP0192182 A2	19860827	LSPB	+	published / reissued	
EP0192182 A3	19890308	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19880721

Title: FILTER AND METHOD FOR MAKING THE SAME

Abstract: 1. A filter comprising a multiplicity of granular particles adapted to retain at least one of the substances to be filtered, strip material continuous and 'substantially rectilinear longitudinally throughout the length of the filter and having longitudinal zones which define between them a multiplicity of longitudinally extending through-passages, an adhesive holding the particles in _used relation to the strip material, the particles holding the zones of the strip material spaced apart with substantial uniformity throughout the filter, and means for compelling a fluid to have its general flow longitudinally of said zones and passages, through the filter.

Classifications:

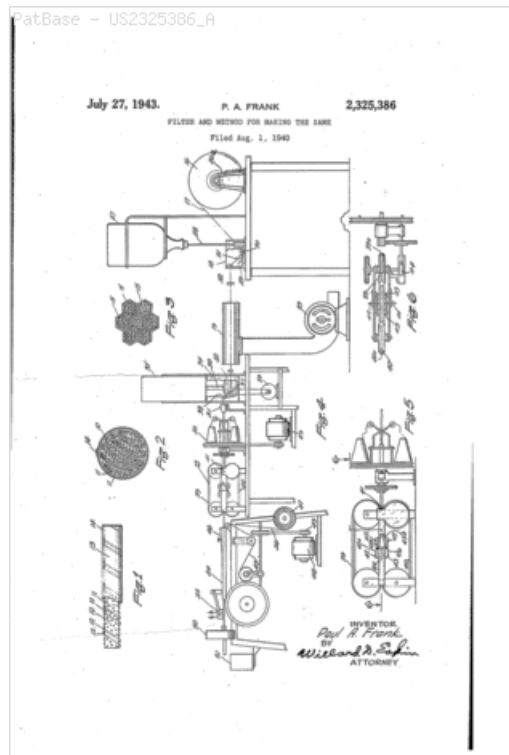
International (IPC 8-9): A24D3/04 B01J20/28 (Advanced/Invention);

A24D3/00 B01J20/28 (Core/Invention)

CPC: A24D3/04 B01J20/2803 B01J20/28033 Y10S493/941

European: A24D3/04 B01J20/28D20 B01J20/28D24

US: 131/202 131/343 210/285 493/330 493/941 96/133 96/154



Family:

Publication number	Publication date	Application number	Application date
US2325386 A	19430727	US19400349380	19400801

Priority:

US19400349380 19400801

Probable Assignee:

FRANK PAUL A

Assignee(s): (std):

FRANK PAUL A

Inventor(s): (std):

FRANK PAUL A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2325386 A	19430727	LSGT	+	granted / extensions (spc, cpc, pte)	

Abstract: Source: DE8535327U1 [DE] (Claim 1) 1. Getreidepresse zur Herstellung von Getreideflocken im wesentlichen bestehend aus einem Gehaeuse, zwei in dem Gehaeuse drehbar gelagerten, miteinander in Eingriff stehenden Walzenkoerpern und einem Zufuehrtrichter fuer das Getreide, dadurch gekennzeichnet, dass der erste Walzenkoerper als Hohlwalze 1 ausgebildet ist und der zweite Walzenkoerper in der Hohlwalze als Walze 2 exzentrisch zu dieser angeordnet ist. (Fig. 4).

Machine translation: (Claim 1) 1 **Grain press** for making corn flakes consisting essentially of a housing, two in the housing rotatably mounted meshing Walzenkoerpern and Zufuehrtrichter for the grain, characterized in that the first Walzenkoerper is a hollow roller 1 and the second Walzenkoerper in the hollow roll as roller 2 is arranged eccentrically with respect to this. (Fig. 4).

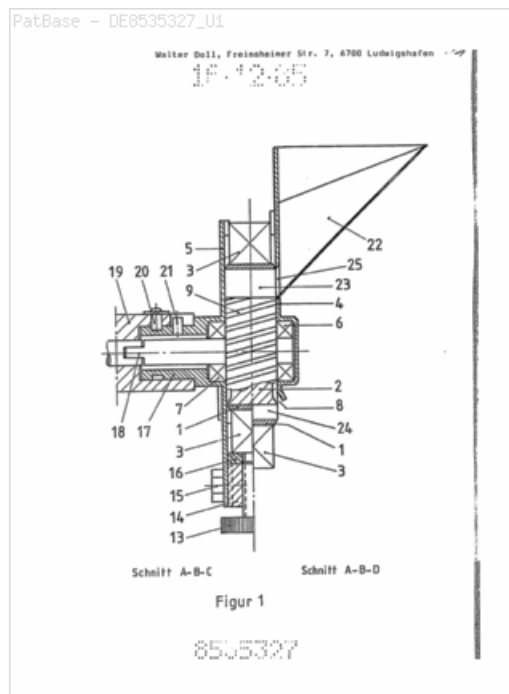
Classifications:

International (IPC 8-9): B02C 15/16 (Advanced/Invention);
B02C 15/00 (Core/Invention)

International (IPC 1-7): A47J 42/18 B02B 5/00 B02C 17/00 B02C 4/06
B02C 9/00

CPC: B02C 15/16

European: B02C 15/16



Family:

Publication number	Publication date	Application number	Application date
DE8535327 U1	19860327	DE19850035327U	19851216

Priority:

DE19850035327U 19851216

Probable Assignee: DOLL WALTER DIPL ING 6700 LUDWIGSHAFEN DE

Assignee(s): DOLL WALTER DIPL ING 6700 LUDWIGSHAFEN DE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE8535327 U1	19860327	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Mechanism for excluding critical speeds from normal operating ranges

Abstract: A mechanism to exclude critical speeds from normal operating ranges is provided having at least one drive unit to drive at least one unit of a processing machine. The at least one unit of a processing machine has a known torsional stiffness. A single power transmission is provided linking said at least one drive unit to said at least one unit of a processing machine. Said power transmission includes an adjustment member coupling to tune all torsional critical speeds out of the range of normal operating speeds of the processing machine. A single power transmission unit can therefore be used for an entire family of processing machines, wherein each processing machine may have a different stiffness.\!

Classifications:

International (IPC 8-9): B41F13/00 B41F13/008 B41F33/00

F16D7/00 (Advanced/Invention);

B41F13/00 B41F13/008 B41F33/00 F16D7/00 (Core/Invention)

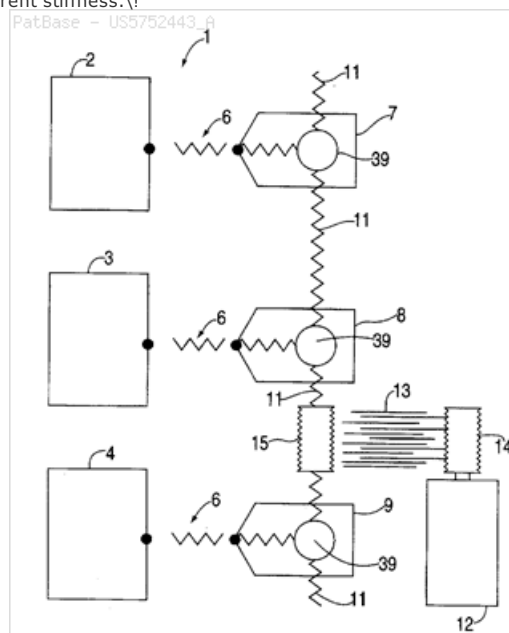
International (IPC 1-7): B41F13/00 B41F13/008 B41F33/00 B41F5/00

F16D3/02 F16D7/00 F16F15/12

CPC: B41F13/008 B41P2213/25

European: B41F13/008 L41P213/250

US: 101/181 101/216 101/248



Family:

Publication number	Publication date	Application number	Application date
DE19619142 A1	19970306	DE19961019142	19960511
GB2302311 A1	19970115	GB19960012482	19960614
GB2302311 B2	19990512	GB19960012482	19960614
GB9612482 A0	19960814	GB19960012482	19960614
JP9011436 A2	19970114	JP19960155839	19960617
US5752443 A	19980519	US19950491540	19950616

Priority:

US19950491540 19950616

Probable Assignee: GOSS INT AMERICAS INC

Assignee(s): (std): HEIDELBERGER DRUCKMASCH AG ; DAWLEY DOUGLAS J ; HEIDELBERG HARRIS INC

Assignee(s): HEIDELBERG WEB SYSTEMS INC ; GOSS INT ; GOSS INT AMERICAS INC ; HEIDELBERGER DRUCKMASCHINEN AG ; HEIDELBERG HARRIS INC ; HEIDELBERGER DRUCKMAS AG ; HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT ; HEIDELBERGER DRUCKMASCHINEN AG 69115 HEIDELBERG DE ; US BANK NATIONAL ASSOCIATION AS COLLATERAL AGENT ; US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS

Inventor(s): (std): DAGURASU JIEE DOURII ; DAWLEY DOUGLAS J

Inventor(s): DAWLEY DOUGLAS J EPPING N H US ; DOUGLAS J DAWLEY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE19619142 A1	19970306	LSPB	+	published / reissued	
DE19619142 A1	20030807	LSLE	-8141	DISPOSAL/NO REQUEST FOR EXAMINATION	
GB2302311 A1	19970115	LSPB	+	published / reissued	
GB2302311 B2	19990512	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2302311 B2	20040204	LSLE	-PCNP	PATENT CEASED	EFFECTIVE DATE : 20030614

					THROUGH NON-PAYMENT OF RENEWAL FEE
GB2302311 B2	20160614	PEXP		Calculated Patent Term Expiry	
JP9011436 A2	19970114	LSPB	+	published / reissued	
US5752443 A	19980519	LSGT	+	granted / extensions (spc, cpc, pte)	
US5752443 A	19950616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEIDELBERGER DRUCKMASCHINEN AG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:DAWLEY, DOUGLAS J.; REEL/FRAME:007529/0780 EFFECTIVE DATE : 19950614
US5752443 A	19950616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEIDELBRG HARRIS, INC., NEW HAMPSHIRE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:DAWLEY, DOUGLAS J.; REEL/FRAME:007529/0780 EFFECTIVE DATE : 19950614
US5752443 A	19980413	LSGT	PAT1	Patented Case	
US5752443 A	19980413	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5752443 A	20011023	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5752443 A	20041019	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEIDELBERG WEB SYSTEMS, INC., NEW HAMPSHIRE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HEIDELBERGER DRUCKMASCHINEN AG; REEL/FRAME:015886/0211 EFFECTIVE DATE : 20040806
US5752443 A	20041020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOSS INTERNATIONAL AMERICAS, INC., NEW HAMPSHIRE OLDPARTY : CHANGE OF NAME; ASSIGNOR:HEIDELBERG WEB SYSTEMS, INC.; REEL/FRAME:015886/0713 EFFECTIVE DATE : 20040809
US5752443 A	20051121	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5752443 A	20090714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : U.S. BANK NATIONAL ASSOCIATION, AS COLLATERAL AGEN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:GOSS INTERNATIONAL AMERICAS, INC.; REEL/FRAME:022951/0538 EFFECTIVE DATE : 20090710
US5752443 A	20090715	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : U.S. BANK NATIONAL ASSOCIATION, AS COLLATERAL AGEN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:GOSS INTERNATIONAL AMERICAS, INC.; REEL/FRAME:022960/0316 EFFECTIVE DATE : 20090710
US5752443 A	20091119	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5752443 A	20100621	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOSS INTERNATIONAL AMERICAS, INC., ILLINOIS OLDPARTY : RELEASE OF SECURITY INTEREST (GRANTED IN REEL 022951; FRAME: 0538); ASSIGNOR:U.S. BANK, N.A., AS COLLATERAL AGENT; REEL/FRAME:024565/0954 EFFECTIVE DATE : 20100611
US5752443 A	20100621	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOSS INTERNATIONAL AMERICAS, INC., ILLINOIS OLDPARTY : RELEASE OF SECURITY INTEREST

					(GRANTED IN REEL 022951; FRAME: 0538); ASSIGNOR:U.S. BANK, N.A., AS COLLATERAL AGENT; REEL/FRAME:024565/0954 EFFECTIVE DATE : 20100611
US5752443 A	20100920	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOSS INTERNATIONAL AMERICAS, INC., ILLINOIS OLDPARTY : RELEASE OF SECURITY INTEREST (GRANTED IN REEL 022960; FRAME 0316); ASSIGNOR:U.S. BANK, N.A., NATIONAL ASSOCIATION; REEL/FRAME:025012/0889 EFFECTIVE DATE : 20100914
US5752443 A	20150616	PEXP		Calculated Patent Term Expiry	

Title: HIGH DIETARY FIBER PRODUCT

Abstract: A product for human consumption containing protein and having a high dietary fiber content and a low phytic acid content is produced by drying brewer's spent grain, milling the dried brewer's spent grain to obtain a ground product having particle sizes ranging from about 600 microns down to about 50 microns and isolating the ground particles having a particle size of at least about 120 microns which constitute the product and contain about 18 percent to 22 percent protein and about 65 percent to 75 percent dietary fiber.

Classifications:

International (IPC 8-9): A23L1/185 A23L1/308 (Advanced/Invention);
A23L1/185 A23L1/308 (Core/Invention)

International (IPC 1-7): A21D13/02 A23L1/185 C12C7/00

CPC: A23L33/21 A23L7/20

European: A23L1/185 A23L1/308

US: 426/29 426/481 426/618

Family:

Publication number	Publication date	Application number	Application date
 US4341805 A	19820727	US19800215291	19801211

Priority:

US19790073953 19790910 US19800215291 19801211

Probable Assignee: MILLER BREWING

Assignee(s): (std): MILLER BREWING

Assignee(s): MILLER BREWING CO ; MILLER BREWING COMPANY

Inventor(s): (std): CHAUDHARY VINOD K

Legal status (INPADOC)

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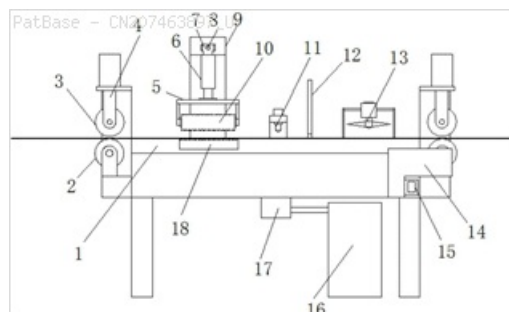
Patent	Date recorded	Event group	Code	Event	Details
US4341805 A	19820727	LSGT	+	granted / extensions (spc, cpc, pte)	
US4341805 A	19820727	LSGT	PAT1	Patented Case	
US4341805 A	19820727	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

Title: TEATCUP PRODUCTION IS WITH RAISED GRAIN ROLL EXTRUSION EQUIPMENT

Abstract: The utility model discloses a teatcup production is with raised grain roll extrusion equipment, which comprises a frame, the frame both ends are provided with the supporting wheel, the supporting wheel upper end is provided with the pinch roller, the pinch roller sets up at the electric putter lower extreme, be provided with horizontal table in the frame, be provided with the raised grain die holder in the horizontal table, raised grain die holder top is provided with raised **grain press** wheel, raised **grain press** wheel passes through the crotch setting at spacing pneumatic cylinder lower extreme, spacing pneumatic cylinder upper end connecting thread slider, thread slider sets up on the spiral shell rasp bar in limiting slide seat, raised **grain press** wheel right side is provided with the gas burner, the gas burner left side is provided with the baffle, the baffle left side is provided with radiator fan, the utility model discloses novel structure, the operation is stable, in the time of can realizing the production of raised grain teatcup, the roll extrusion effect is guaranteed in the automatic roll extrusion work of assembly line, has satisfied present operation requirement.

Classifications:

International (IPC 8-9): B21D13/04 B21D37/16
B21D51/18 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN207463897 U	20180608	CN201721293075U	20171009

Priority:

CN201721293075U 20171009

Probable Assignee: FOSHAN NANHAI JIAYANG METAL PRODUCTS CO LTD

Assignee(s): (std): FOSHAN NANHAI JIAYANG METAL PRODUCTS CO LTD

Assignee(s): PREFERRED CATIONIC METAL PRODUCTS CO LTD FOSHAN NANHAI DISTRICT ; FOSHAN NANHAI JIAYANG METAL PRODUCTS CO

Inventor(s): (std): PANG JIANHANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN207463897 U	20180608	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207463897 U	20180608	LSGT	+GR01	PATENT GRANT	
CN207463897 U	20271009	PEXP		Calculated Patent Term Expiry	

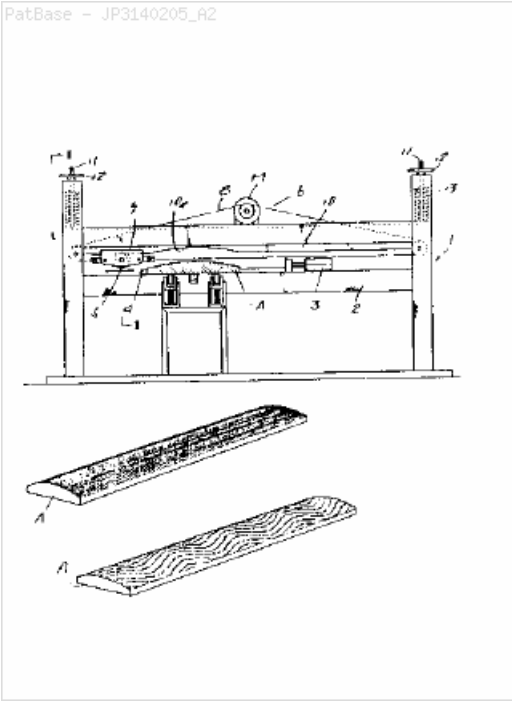
Title: PRODUCTION EQUIPMENT OF DECORATIVE BOARD FOR FURNITURE AND BUILDING

Abstract: PURPOSE: To uniformly and clearly produce pressed pattern on the surface of board material by a method wherein a pressing mold is pressed through a guide rail for mold, which is provided along the shifting direction of the pressing mold, against the board material by the predetermined pressure. CONSTITUTION: By rotating an endless band-like body 8 counterclockwise, a wood **grain pressing** mold 5 is shifted rightwards, resulting in producing tongued and grooved pattern, which is formed on the surface of the mold, on board material A. In this case, when the surface of the board material A is made of a smooth circular convex surface, a circular concave surface 10a having the same shape as the circular part of the board material A is provided on the under surface of a guide rail 10 at the position corresponding to said circular part of the board material A so as to produce homogeneous pressed pattern by shifting the pressing mold 5 over the surface of the board material under constant pressing force. By actuating a limit switch, a pressing mold feeding mechanism 6 is stopped. After that, by actuating a board material feeding mechanism 6, the board material A is fed to the next working position by one pitch. Then, by actuating the pressing mold feeding mechanism 6, the pressing mold 5 is shifted leftwards. By repeating the above-mentioned actions, pressed pattern along the pattern on the mold is produced over the whole region of the surface of the board material.

Classifications:

International (IPC 8-9): B27M1/00 B27M1/02 (Advanced/Invention);
B27M1/00 (Core/Invention)

International (IPC 1-7): B27M1/00 B27M1/02



Family:

Publication number	Publication date	Application number	Application date
JP3140205 A2	19910614	JP19890280076	19891027

Priority:

JP19890280076 19891027

Probable Assignee: FUCHIYUU ART FUANICHIYAA KK
Assignee(s): (std): FUCHIYUU ART FUANICHIYAA KK ; MITSUFUJI YASUYUKI
Inventor(s): (std): MATSUOKA TERUMITSU ; MITSUFUJI YASUYUKI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP3140205 A2	19910614	LSPB	+	published / reissued	

Title: LED LAMP

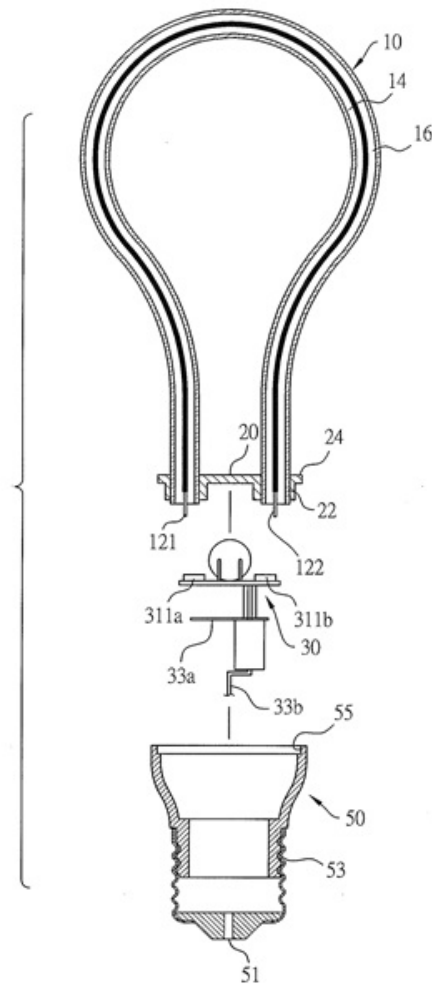
Abstract: An LED lamp has an LED device and a lamp base. The LED device has multiple LED chips, multiple conductive substrates, a packaging layer and a protective cover. The multiple conductive substrates are arranged at intervals. Each of the LED chips is supported by and electrically connected between two adjacent conductive substrates. The packaging layer covers the LED chips and covers a part of each conductive substrate. The protective cover covers the LED chips and the conductive substrates to form an LED device in a specific shape. As the LED chips are close to the protective cover, thermal energy generated by the LED chips is rapidly dissipated into the air to improve the heat dissipation. The LED device achieves a continuous uniform lighting effect by a proper arrangement of the LED chips.

Classifications:

International (IPC 8-9): F21K9/00 F21K9/20 F21K9/232 F21K9/235 F21K9/66 F21S10/00 F21S4/22 F21S4/26 F21S4/28 F21V19/00 F21V23/00 F21V29/00 F21V29/503 F21V29/506 F21V29/56 F21V29/70 F21V29/71 F21V29/89 F21V3/00 F21V3/02 F21V31/00 F21Y103/10 F21Y115/10 H01L25/075 H01L33/48 H01L33/52 H01L33/54 H01L33/58 H01L33/62 H01L33/64 (Advanced/Invention); F21Y103/10 F21Y115/10 (Advanced/Non-invention)

CPC: F21Y2103/10 H01L25/0753 H01L33/62 F21V29/506 H01L33/54 F21V19/001 F21K9/235 H01L33/483 F21V29/56 F21S4/28 F21V9/00 F21V31/005 F21V29/71 F21S10/002 H01L33/52 F21K9/232 F21V3/02 F21Y2115/10 F21K9/20 F21V23/00 F21V29/89

PatBase - US2018283619_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ CN108662446 A	20181016	CN201711099503	20171109
■ CN108692200 A	20181023	CN201810192991	20180309
■ CN207364684 U	20180515	CN201721488783U	20171109
■ CN208312001 U	20190101	CN201820322059U	20180309
■ DE602018000116 D1	20190627	DE201860000116T	20180327
■ EP3301354 A2	20180404	EP20180150711	20180109
■ EP3301354 A3	20180704	EP20180150711	20180109
■ EP3343098 A1	20180704	EP20180164133	20180327
■ EP3343098 B1	20190605	EP20180164133	20180327
■ JP2018174126 A2	20181108	JP20180017323	20180202
■ JP2018174135 A2	20181108	JP20180061657	20180328
■ JP6517974 B2	20190522	JP20180061657	20180328
■ TW201812205 A	20180401	TW20170136278	20171023
■ TW201837374 A	20181016	TW20180105600	20180214
■ TWI638118 B	20181011	TW20180105600	20180214
■ TWM559977 Y	20180511	TW20170215561U	20171023
■ TWM563517 Y	20180711	TW20180202433U	20180214
■ US2018283619 AA	20181004	US20170848003	20171220
■ US2018283674 AA	20181004	US20180935547	20180326

Priority:

US20170479327P 20170331 TW20170136278 20171023 TW20170215561U 20171023
 US20170848003 20171220 JP20180017323 20180202 US20180935547 20180326
 EP20180164133 20180327 JP20180061657 20180328

Probable Assignee: LIQUIDLED LIGHTING CORP**Assignee(s):** (std): LIQUIDLED LIGHTING CORP**Assignee(s):** LIQUID LIGHT SOLID STATE LIGHTING CO LTD**Inventor(s):** (std): HUANG DAVID ; HUANG JIAN LANG ; HUANG JIANLANG ; HUANG CHIEN LANG**Agent(s):** PALLINI GERVA SI DIEGO; BECKER KURIG STRAUS; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP**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
CN108662446 A	20181016	LSPB	+	published / reissued	
CN108662446 A	20181016	LSPB	PB01	PUBLICATION	
CN108692200 A	20181023	LSPB	+	published / reissued	
CN108692200 A	20181023	LSPB	PB01	PUBLICATION	
CN207364684 U	20180515	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207364684 U	20180515	LSGT	+GR01	PATENT GRANT	
CN207364684 U	20271109	PEXP		Calculated Patent Term Expiry	
CN208312001 U	20190101	LSGT	+	granted / extensions (spc, cpc, pte)	
CN208312001 U	20190101	LSGT	+GR01	PATENT GRANT	
CN208312001 U	20280309	PEXP		Calculated Patent Term Expiry	
EP3301354 A2	20180404	LSPB	+	published / reissued	
EP3301354 A3	20180704	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F21K 9/232 20160101ALI20180528BHEP
EP3301354 A3	20180704	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F21Y 115/10 20160101ALI20180528BHEP
EP3301354 A3	20180704	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F21V 3/02 20060101AFI20180528BHEP
EP3301354 A3	20180704	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F21Y 103/10 20160101ALI20180528BHEP
EP3301354 A3	20190213	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20181228
EP3343098 A1	20180704	LSPB	+	published / reissued	
EP3343098 A1	20180926	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180820
EP3343098 A1	20190116	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20181220
EP3343098 B1	20190605	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3343098 B1	20190605	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP3343098 B1	20190614	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP3343098 B1	20190615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER :

					1140370 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20190615
EP3343098 B1	20190626	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP3343098 B1	20190627	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602018000116 COUNTRY OF REF DOCUMENT : DE
EP3343098 B1	20380327	PEXP		Calculated Patent Term Expiry	
JP2018174126 A2	20181108	LSPB	+	published / reissued	
JP2018174126 A2	20190305	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20190305
JP2018174126 A2	20190605	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20190605
JP2018174135 A2	20181108	LSPB	+	published / reissued	
JP2018174135 A2	20190327	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2018174135 A2	20190402	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20190402
JP2018174135 A2	20190425	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20190418
JP2018174135 A2	20190426	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6517974 COUNTRY OF REF DOCUMENT : JP
JP6517974 B2	20190522	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6517974 B2	20190404	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6517974 B2	20190423	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6517974 B2	20190426	LSGT	+R150	特許証 (Patent certificate)	
JP6517974 B2	20380328	PEXP		Calculated Patent Term Expiry	
TW201812205 A	20180401	LSPB	+	published / reissued	
TW201837374 A	20181016	LSPB	+	published / reissued	
TWI638118 B	20181011	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI638118 B	20380214	PEXP		Calculated Patent Term Expiry	
TWM559977 Y	20180511	LSGT	+	granted / extensions (spc, cpc, pte)	
TWM563517 Y	20180711	LSGT	+	granted / extensions (spc, cpc, pte)	
US2018283619 AA	20181004	LSPB	+	published / reissued	
US2018283619 AA	20171220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LIQUIDLED LIGHTING CORP., TAIWAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUANG, CHIEN- LANG; REEL/FRAME:044443/0477 EFFECTIVE DATE : 20171219

US2018283619 AA	20190128	LSES	NFA1	Non Final Action Mailed	
US2018283674 AA	20181004	LSPB	+	published / reissued	
US2018283674 AA	20180328	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LIQUIDLED LIGHTING CORP., TAIWAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUANG, DAVID; REEL/FRAME:045369/0202 EFFECTIVE DATE : 20180221
US2018283674 AA	20181212	LSES	NFA1	Non Final Action Mailed	
US2018283674 AA	20190618	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : FINAL REJECTION MAILED

Title: PREPARATION METHOD FOR LARGE-SIZE THREE-DIMENSIONAL GRAINED SOLID WOOD PANEL

Abstract: The invention discloses a preparation method for a large-size three-dimensional grained solid wood panel. The preparation method comprises the following steps: preparing a large-size round steel part with ornaments on surface as a mould; then, mounting the mould in a roller press; putting a solid wood panel with width less than or equal to the width of the mould into the roller press; increasing pressure by the roller press so as to enable the mould to roll through the surface of solid wood panel, and the three-dimensional grained panel which meets the product and production needs is prepared on the surface of the solid wood panel in a pressing manner. The preparation method is applied, so that board surface stress breaking and **grain pressing** are synchronously performed. Meanwhile, large-size solid wood boards with the manually pressed three-dimensional grained surfaces, which are widely applied to door boards, cabinet boards and the like, can be prepared. The pressed board can be natural solid board which is not obvious in original grain and not good in grain perception, and also can be a manually synthesized integrated board. To-be-pressed grains can be determined according to the hobby of a client, and the pressed grains are uniform and clear, and have the natural perception, so that the board is greatly increased in value.

Classifications:

International (IPC 8-9): B44C 1/24 B44C 5/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN104742633 A	20150701	CN201510138004	20150327

Priority:

CN201510138004 20150327

Probable Assignee: GUANGXI NANNING QIAOSHENG WOOD IND CO LTD

Assignee(s): (std): GUANGXI NANNING QIAOSHENG WOOD IND CO LTD

Assignee(s): NANNING OVERSEAS CHINESE SHENG WOOD LIABILITY CO LTD ; GUANGXI NANNING QIAOSHENG WOOD IND CO

Inventor(s): (std): HU HAI

Legal status (INPADOC)

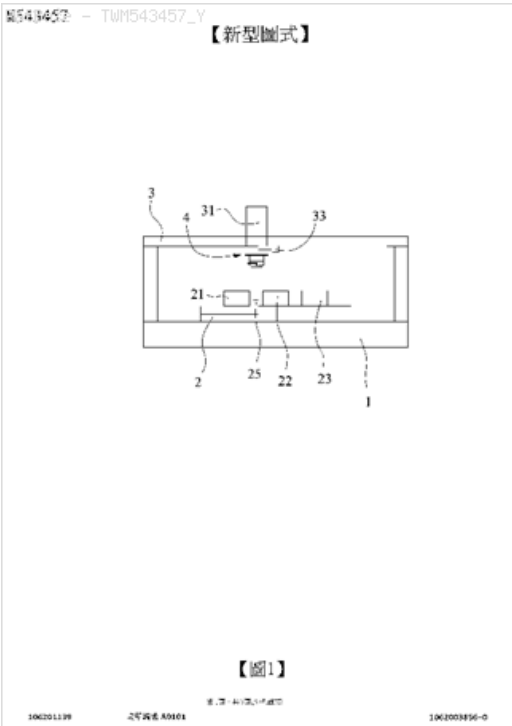
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Patent	Date recorded	Event group	Code	Event	Details
CN104742633 A	20150701	LSPB	+	published / reissued	
CN104742633 A	20150701	LSPB	+C06	PUBLICATION	
CN104742633 A	20181221	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	

Title: MULTI-**GRAIN PRESSING** MACHINE

Abstract: Source: TWM543457Y **Machine translation:** An multi-die pressure bonding machine, comprising: a substrate carrying Taiwan, horizontal shift and a strikeout dragon door bracket, horizontal moves, the strikeout of the adventist devices carrying turret base can be beneath the horizontal direction shift, the strikeout of precision level shift carrying table another book can be installed independently, turn the three grains turn, turn table; table and a substrate beneath the base bracket to establish the strikeout dragon strikeout door without interference level moves, the strikeout carrying station moves, strikeout, dragon door bracket mounted book first lifting machine, lifting machine skis can control the skis strikeout beneath the bottom of the suction head, suction head from bottom to top includes at least one lift strikeout draw unit, turn the unit; and a strikeout by horizontal moves, carrying platform 00 00 moves, the strikeout fine quasi at different grains turn, turn the station beneath the station or the strikeout strikeout substrate underneath the lift machine by the strikeout draw headache skis sik 00 draw head down, let ?? control strikeout strikeout strikeout turn table draw draw times grain particles or micro-grains, the strikeout ? ammonia ammonia micro grain plus pressure mounted beneath the strikeout ? substrate turn table of the receiving substrate.

Classifications:
International (IPC 8-9): H01L21/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
TWM543457 Y	20170611	TW20170201139U	20170123

Priority:

TW20170201139U 20170123

Probable Assignee: MATTECH INT CO LTD
Assignee(s): (std): MATTECH INT CO LTD
Assignee(s): QI TECHNOLOGY CO LTD ; MATTECH INT CO
Inventor(s): (std): DAI YAN PEI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
TWM543457 Y	20170611	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Cartridge, used as tank ammunition, comprises sleeve containing charge powder, and bullet with tracer composition at its tail

Abstract: Cartridge comprises a sleeve (3) containing a charge powder (2); and a bullet (6) with a tracer composition (8) in the region of its tail. The tracer composition is covered with a cap (12) made from an inert material which is supported on the bullet part surrounding the tracer composition. The outer surface of the cap is conical and the tip faces the igniter (11). The intermediate space (16) between the end of the igniter and the cap is selected so that no powder grains of the charge powder can be arranged in the space. Preferred Features: The cap is made from plastic. The tip of the cap is slightly rounded and the end of the igniter facing the cap has a ball shape.

Classifications:

International (IPC 8-9): F42B12/38 F42B5/02

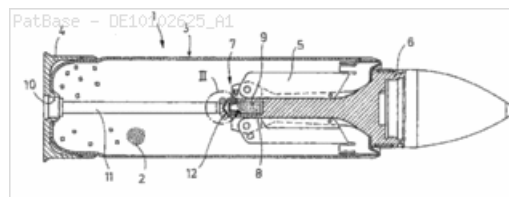
F42C19/08 (Advanced/Invention);

F42B12/02 F42B5/00 F42C19/00 (Core/Invention)

International (IPC 1-7): F42B10/08 F42B12/38 F42B5/02

CPC: F42B5/02 F42B12/38 F42C19/0826

European: F42B12/38 F42B5/02 F42C19/08H2



Family:

Publication number	Publication date	Application number	Application date
DE10102625 A1	20020725	DE20011002625	20010120

Priority:

DE20011002625 20010120

Probable Assignee:

RHEINMETALL W AND M GMBH

Assignee(s): (std):

RHEINMETALL W AND M GMBH

Inventor(s): (std):

HEITMANN THOMAS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE10102625 A1	20020725	LSPB	+	published / reissued	
DE10102625 A1	20060608	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : RHEINMETALL WAFFE MUNITION GMBH, 40880 RATINGEN, D
DE10102625 A1	20071122	LSES	+8110	REQUEST FOR EXAMINATION PARAGRAPH 44	
DE10102625 A1	20100121	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : RHEINMETALL WAFFE MUNITION GMBH, 29345 UNTERLU, DE
DE10102625 A1	20111017	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE10102625 A1	20111018	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE10102625 A1	20111019	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE10102625 A1	20111021	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE10102625 A1	20120614	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE10102625 A1	20120621	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS	
DE10102625 A1	20121115	LSRV	-R003	REFUSAL DECISION NOW FINAL	EFFECTIVE DATE : 20120727

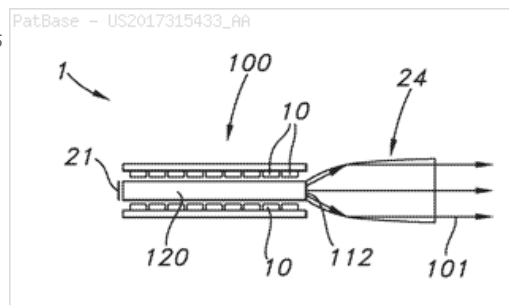
Title: LIGHTING DEVICE WITH CERAMIC GARNET

Abstract: The invention provides a lighting device comprising a plurality of solid state light sources and an elongated ceramic body having a first face and a second face defining a length (L) of the elongated ceramic body, the elongated ceramic body comprising one or more radiation input faces and a radiation exit window, wherein the second face comprises the radiation exit window, wherein the plurality of solid state light sources are configured to provide blue light source light to the one or more radiation input faces and are configured to provide to at least one of the radiation input faces a photon flux of at least 1.0×10^{17} photons/(s·mm²), wherein the elongated ceramic body comprises a ceramic material configured to wavelength convert at least part of the blue light source light into at least converter light, wherein the ceramic material comprises an A₃B₅O₁₂:Ce³⁺ ceramic material, wherein A comprises one or more of yttrium (Y), gadolinium (Gd) and lutetium (Lu), and wherein B comprises aluminum (Al).

Classifications:

International (IPC 8-9): C04B35/44 C04B35/626 C04B35/64 C04B35/645 C09K11/08 C09K11/77 C09K11/80 F21S2/00 F21V7/22 F21V8/00 F21V9/00 F21V9/08 F21V9/16 G02B27/30 G03B21/00 G03B21/14 G03B21/20 (Advanced/Invention); F21V29/503 F21V29/70 F21Y2115/10 F21Y2115/30 G03B21/16 (Advanced/Non-invention)

CPC: C04B35/6455 C04B2235/6581 C04B2235/6584 C04B2235/664 C04B2235/764 C04B2235/94 C04B2235/95 F21V7/22 G02B27/30 G03B21/2066 G03B21/2013 G02B6/0008 F21V9/08 G02B6/0006 C04B35/64 F21Y2115/30 F21V29/70 F21Y2115/10 C04B2235/3222 F21V29/503 C04B2235/656 G03B21/16 C04B2235/604 G03B21/204 C04B35/44 C04B2235/3224 C04B2235/3225 C04B2235/3229 C04B2235/663 C09K11/7774 F21V9/00



Family:

Publication number	Publication date	Application number	Application date
CN107002978 A	20170801	CN201580061320	20151104
EP3224674 A1	20171004	EP20150788445	20151104
JP2017536664 T2	20171207	JP20170525011T	20151104
KR20170084212 A	20170719	KR20177015855	20151104
US2017315433 AA	20171102	US20150525848	20151104
WO16075014 A1	20160519	WO2015EP75728	20151104

Priority:

EP20140192693 20141111 WO2015EP75728 20151104

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): KONINKL PHILIPS NV ; PHILIPS KONINKLL NV ; ROYAL DUTCH PHILIPS ELECTRONICS LTD

Assignee(s): DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS

Inventor(s): (std): JAGT HENDRIK JOHANNES BOUDEWIJN ; BOEREKAMP JACOBUS GERARDUS ; RONDA CORNELIS REINDER ; JAGT JOHANNES BOUDEWIJN

Agent(s): TER HEEGDE PAUL GERARD MICHEL; ITOH TADASHIGE; ITOH TADAHICO; OHNUKI SHINSUKE; RUEBER BERNHARD

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)

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Patent	Date recorded	Event group	Code	Event	Details
CN107002978 A	20170801	LSPB	+	published / reissued	
CN107002978 A	20170801	LSPB	PB01	PUBLICATION	
CN107002978 A	20180427	LSAS	TA01	TRANSFER OF PATENT APPLICATION RIGHT	
EP3224674 A1	20171004	LSPB	+	published / reissued	
EP3224674 A1	20171004	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170612
EP3224674 A1	20180801	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : LUMILEDS HOLDING B.V.
EP3224674 A1	20190227	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : LUMILEDS HOLDING B.V.

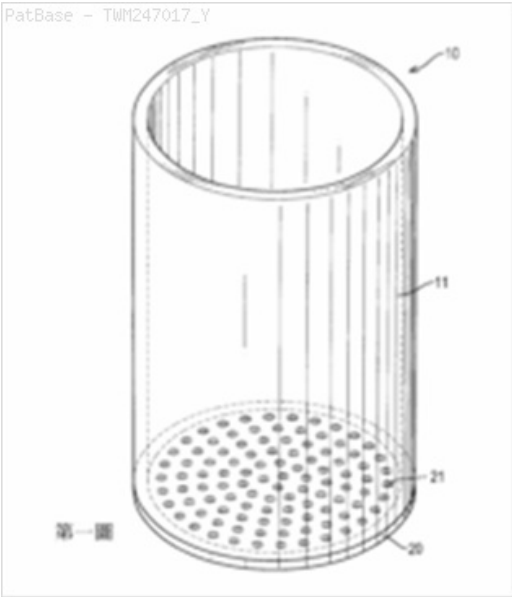
EP3224674 A1	20190501	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20190401
JP2017536664 T2	20171207	LSPB	+	published / reissued	
JP2017536664 T2	20181029	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20181029
JP2017536664 T2	20190307	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20190307
KR20170084212 A	20170719	LSPB	+	published / reissued	
US2017315433 AA	20171102	LSPB	+	published / reissued	
US2017315433 AA	20170707	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DEUTSCHE BANK AG NEW YORK BRANCH, AS COLLATERAL AG OLDPARTY : SECURITY INTEREST; ASSIGNOR:LUMILEDS LLC; REEL/FRAME:043108/0001 EFFECTIVE DATE : 20170630
US2017315433 AA	20181204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KONINKLIJKE PHILIPS N.V., NETHERLANDS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:RONDA, CORNELIS REINDER; BOEREKAMP, JACOBUS GERARDUS; JAGT, HENDRIK JOHANNES BOUDEWIJN; SIGNING DATES FROM 20181116 TO 20181203; REEL/FRAME:047672/0672
US2017315433 AA	20190514	LSES	NFA1	Non Final Action Mailed	
WO16075014 A1	20160519	LSPB	+	published / reissued	
WO16075014 A1	20170509	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017525011 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16075014 A1	20170510	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15525848 COUNTRY OF REF DOCUMENT : US
WO16075014 A1	20170511	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16075014 A1	20170609	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20177015855 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

Title: Material barrel for noodle rolling device and noodle product shape made therefrom

Abstract: Source: TWM247017Y

Machine translation: This creation is one kind of **grain press** the original feeding trough as well as makes the surface product shape, barrel of body base the original feeding trough is equipped with a ledger wall, the cloth includes mesh of the penetration on the ledger wall, on the week wall is equipped with the concave-convex tooth department in the mesh, supplies the pasta when extrudes through the mesh, may make the surface to have the dentate surface product, by facilitates holds under duress, and contains the juice in dentate concave, increases the surface product the flavor.

Classifications:
International (IPC 8-9): A23P1/00 (Advanced/Invention);
A23P1/00 (Core/Invention)
International (IPC 1-7): A23P1/00



Family:

Publication number	Publication date	Application number	Application date
TWM247017 Y	20041021	TW20030219506U	20031103

Priority:
TW20030219506U 20031103

Probable Assignee: HUNG JI CHUEN
Assignee(s): (std): HUNG JI CHUEN
Inventor(s): (std): HUNG JI CHUEN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
TWM247017 Y	20041021	LSGT	+	granted / extensions (spc, cpc, pte)	
TWM247017 Y	20060801	LSLE	-MM4K	ANNULMENT OR LAPSE OF A UTILITY MODEL DUE TO NON-PAYMENT OF FEES	

Title: METHOD FOR SPLITTING SCAB INTO INDIVIDUAL BRIQUETTES, INVOLVES SUPPLYING SCAB TO SPHERE OF ACTION OF STRIP-LIKE PROFILED DRIVEN FIRM ROLLER OF DOUBLE ROLL CRUSHER IN INCLINED ANGLE

Abstract: The method involves supplying the scab to the sphere of action of the strip-like profiled driven firm roller (3) of a double roll crusher in inclined angle. The strip segment is detected, precrushed and is supplied to the crusher gap (4) from the scab. The point-shaped flexible pressure loading is carried out on the strip segment in a pressure point arranged at a distance from each other and in series directly in the crusher gap by the flexibly spring loose roller (2). The precrushed strip segment is split into individual briquettes. An independent claim is also included for a device for splitting a scab into individual briquettes.

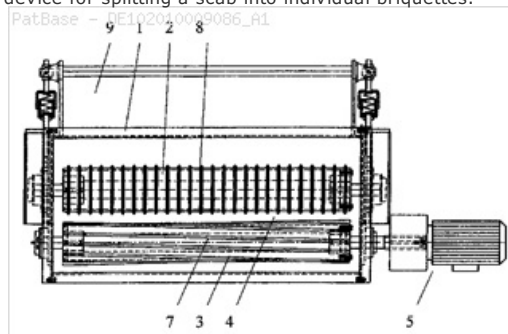
Classifications:

International (IPC 8-9): B02C4/02 B02C4/08

B02C4/32 (Advanced/Invention)

CPC: B02C4/02 B02C4/32

European: B02C4/02 B02C4/32



Family:

Publication number	Publication date	Application number	Application date
DE102010009086 A1	20110825	DE201010009086	20100224

Priority:

DE201010009086 20100224

Probable Assignee: ZEMAG MASCHB GMBH

Assignee(s): (std): ZEMAG MASCHB GMBH

Assignee(s): ZEMAG MASCHINENBAU GMBH

Inventor(s): (std): DIETZE GUNTER ; HOFFMANN DIETER ; STEIDL RUDOLF ; WEBER CHRISTINE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102010009086 A1	20110825	LSPB	+	published / reissued	
DE102010009086 A1	20160519	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : ZEMAG CLEAN ENERGY TECHNOLOGY GMBH, DE OLDPARTY : FORMER OWNER: ZEMAG MASCHINENBAU GMBH, 06729 ELSTERAUE, DE
DE102010009086 A1	20170225	LSDW	-R005	APPLICATION DEEMED WITHDRAWN DUE TO FAILURE TO REQUEST EXAMINATION	

Title: LED PHOSPHOR COMPRISING BOW-TIE SHAPED A2N6 BUILDING BLOCKS

Abstract: The invention provides, amongst others for application in a lighting unit, a phosphor selected from the class of $M_2D_2C_2-2bB_bA_2N_6:Ln$ (I) with

- M=selected from the group consisting of divalent Ca, Sr, and Ba;
- D=selected from the group consisting of monovalent Li, divalent Mg, Mn, Zn, Cd, and trivalent Al and Ga;
- C=selected from the group consisting of monovalent Li and Cu;
- B=selected from the group consisting of divalent Mg, Zn, Mn and Cd;
- A=selected from the group consisting of tetravalent Si, Ge, Ti, and Hf;
- Ln=selected from the group consisting of ES and RE;
- ES=selected from the group consisting of divalent Eu, Sm and Yb;
- RE=selected from the group consisting of trivalent Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, and Tm; and
- 0?b?1.

Classifications:

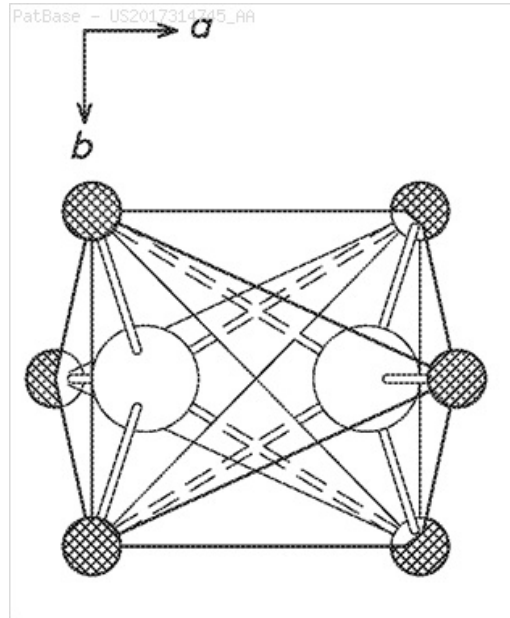
International (IPC 8-9): C01F17/00 C09K11/08 C09K11/59 C09K11/77 C30B29/10 F21K2/08 F21K9/64 F21V9/16 G02B5/20 H01L33/50 (Advanced/Invention);

C09K11/08 F21Y2115/10 H01L33/50 (Advanced/Non-invention)

CPC: H01L33/50 F21K9/64 C01F17/0012 F21Y2115/10 C09K11/0883

C01P2002/85 H01L33/507 C09K11/7734 H01L33/502 F21V9/30

US: 362/84



Family:

Publication number	Publication date	Application number	Application date
■ CN107109215 A	20170829	CN201580061650	20151105
■ DE602015007626 D1	20180301	DE201560007626T	20151105
■ EP3218445 A1	20170920	EP20150790149	20151105
■ EP3218445 B1	20180124	EP20150790149	20151105
■ EP3218445 B8	20181017	EP20150790149	20151105
■ JP2017537349 T2	20171214	JP20170525914T	20151105
■ KR20170084245 A	20170719	KR20177016135	20151105
■ TW201625773 A	20160716	TW20150137221	20151111
■ US2017314745 AA	20171102	US20150526519	20151105
■ WO16075021 A1	20160519	WO2015EP75788	20151105

Priority:

EP20140193187 20141114 EP20150790149 20151105 WO2015EP75788 20151105

Probable Assignee: LUMILEDS HOLDING BV

Assignee(s): (std): KONINKL PHILIPS NV ; LUDWIG MAXIMILIANS UNIV MUENCHEN ; LUMILEDS HOLDING BV ; PHILIPS KONINKLL NV ; ROYAL DUTCH PHILIPS ELECTRONICS LTD

Assignee(s): DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS ; PHILIPS N V KONINKLL

Inventor(s): (std): SCHNICK WOLFGANG ; SCHMIECHEN SEBASTIAN FLORIAN ; WEILER VOLKER ; SCHMIDT PETER JOSEF ; HECHT CORA SIEGLINDE ; STROBEL PHILIPP JEAN ; SCHMIDT PETER ; HECHT CORA ; STROBEL PHILIPP ; SCHMIECHEN SEBASTIAN ; STROBEL PHILIPP JAN ; STROBEL PHILIPP JEAN

Agent(s): TER HEEGDE PAUL GERARD MICHEL; ITOH TADASHIGE; ITOH TADAHICO; OHNUKI SHINSUKE; RUEBER BERNHARD

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)

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CN107109215 A	20170829	LSPB	+	published / reissued	
CN107109215 A	20170829	LSPB	PB01	PUBLICATION	
CN107109215 A	20180420	LSAS	TA01	TRANSFER OF PATENT APPLICATION RIGHT	
EP3218445 A1	20170920	LSPB	+	published / reissued	
EP3218445 A1	20170920	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170614
EP3218445 A1	20171108	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20171011
EP3218445 B1	20180124	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3218445 B1	20180124	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP3218445 B1	20180131	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP3218445 B1	20180215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 965776 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180215
EP3218445 B1	20180221	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP3218445 B1	20180301	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602015007626 COUNTRY OF REF DOCUMENT : DE
EP3218445 B1	20180611	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP3218445 B1	20180615	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 965776 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180124
EP3218445 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124

EP3218445 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180424
EP3218445 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180801	LSAS	RAP2	RIGHTS OF A PATENT TRANSFERRED	PARTYTYPE : OWNER OWNER : LUMILEDS HOLDING B.V.
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180524
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180424
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180124
EP3218445 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180425

OFFICE TO EPO]					
EP3218445 B1	20180928	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PK TEXT : BERICHTIGUNG B8
EP3218445 B1	20351105	PEXP		Calculated Patent Term Expiry	
EP3218445 B8	20181025	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602015007626 COUNTRY OF REF DOCUMENT : DE
EP3218445 B8	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
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EP3218445 B8	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
EP3218445 B8	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
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EP3218445 B8	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
EP3218445 B8	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 : 20180124
EP3218445 B8	20190102	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20181025
EP3218445 B8	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20181127 YEAR OF FEE PAYMENT : 4
EP3218445 B8	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190131 YEAR OF FEE PAYMENT : 4

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	
EP3218445 B8	20190628	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
JP2017537349 T2	20171214	LSPB	+	published / reissued	
JP2017537349 T2	20181031	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20181031
JP2017537349 T2	20190307	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20190307
KR20170084245 A	20170719	LSPB	+	published / reissued	
TW201625773 A	20160716	LSPB	+	published / reissued	
US2017314745 AA	20171102	LSPB	+	published / reissued	
US2017314745 AA	20170707	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DEUTSCHE BANK AG NEW YORK BRANCH, AS COLLATERAL AG OLDPARTY : SECURITY INTEREST; ASSIGNOR:LUMILEDS LLC; REEL/FRAME:043108/0001 EFFECTIVE DATE : 20170630
US2017314745 AA	20181121	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KONINKLIJKE PHILIPS N.V., NETHERLANDS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SCHMIDT, PETER JOSEF; STROBEL, PHILIPP-JEAN; SCHMIECHEN, SEBASTIAN FLORIAN; AND OTHERS; SIGNING DATES FROM 20181114 TO 20181121; REEL/FRAME:047565/0355
US2017314745 AA	20190612	LSES	NFA1	Non Final Action Mailed	
WO16075021 A1	20160519	LSPB	+	published / reissued	
WO16075021 A1	20170512	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017525914 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16075021 A1	20170512	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15526519 COUNTRY OF REF DOCUMENT : US
WO16075021 A1	20170515	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16075021 A1	20170613	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20177016135 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

Title: Noodle press (Machine translation)

Abstract: Source: TW170096Y

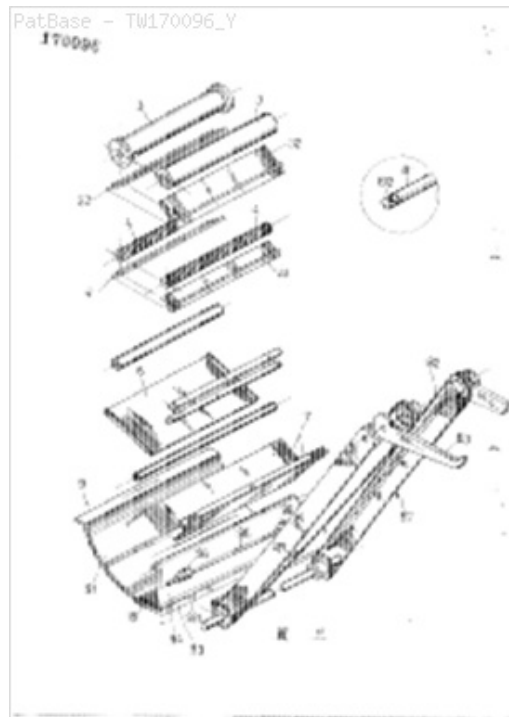
Machine translation: As soon as one kind of noodle press, it mainly contains has a leveling drum group, in a minute strip drum group, the one cuts the cutting tool, undercuts the cutting tool, a feedway, its can the cheek which generates the **grain press**, completes continuously by the following automatic performance, first once more levels off the cheek, the pressure divides into the noodles, slivers the section, however hangs Yu Guagan, the transportation to hangs the bar frame to complete.

Classifications:

International (IPC 8-9): A21C3/02 (Advanced/Invention);

A21C3/02 (Core/Non-invention)

International (IPC 1-7): A21C3/02



Family:

Publication number	Publication date	Application number	Application date
■ TW170096 Y	19911001	TW19910206227U	19910525

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
TW170096 Y	19911001	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: SEED GERMINATION BED ALLOWING SUPERVISION OF GROWTH - IS A THIN RECTANGULAR FOAM PLATE WITH HOLE FOR COMPOST

Abstract: The bed may be assembled with a number of others in the form of a plate with breaking lines to separate them. The separate beds are blocks of 5mm thick polystyrene foam of 3x3 cm. There is a round hole in the centre covered with cardboard on top and with a layer of filter paper below supporting a quantity of peat and the seeds. For growth, the cardboard is torn off and the block is placed in a dish filled with water. The seed germinating bed allows the amt. of moisture present to be observed constantly, so that growth can be assisted and the seedling transplanted when necessary.

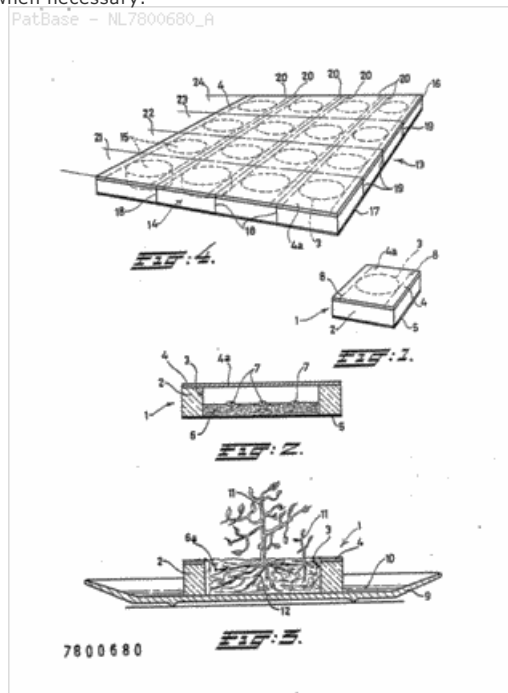
Classifications:

International (IPC 8-9): A01C1/04 A01G9/10 (Advanced/Invention);
A01C1/04 A01G9/10 (Core/Invention)

International (IPC 1-7): A01G9/10

CPC: A01G9/10 A01C1/044 A01C1/04 A01G9/0295

European: A01C1/04 A01C1/04B A01G9/10F A01G9/10G



Family:

Publication number	Publication date	Application number	Application date
NL7800680 A	19790723	NL19780000680	19780119

Priority:

NL19780000680 19780119

Probable Assignee: PRINT CONSULTANCY

Assignee(s): (std): PRINT CONSULTANCY

Assignee(s): PRINT ENGINEERING AND PROMOTIONAL CONSULTANCY A G ; PRINT ENGINEERING AND PROMOTIONAL CONSULTANCY A G TE ZUG ZWITZERLAND ; PRINT ENGINEERING AND PROMOTIONAL CONSULTANCY TE ZUG ZWITZERLAND AG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
NL7800680 A	19790723	LSPB	+	published / reissued	
NL7800680 A	19790810	LSES	+A1B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL7800680 A	19810901	LSLE	-BV	THE PATENT APPLICATION HAS Lapsed	

Title: DISPOSITIF POUR LE CHAUFFAGE PREALABLE ET LA PREPARATION AU PRESSAGE DE MATIERES SYNTHETIQUES
THERMOPLASTIQUES DEVICE FOR HEATING AND PRIOR PREPARATION FOR PRESSING THERMOPLASTIC SYNTHETIC
MATERIALS (Machine translation)

Abstract: Source: FR1254136A [FR] (Claim 1) 1. La table est entrainee par un moteur electrique qui comprend un nombre de poles excitables separement egal au nombre de ses creux.

Machine translation: (Claim 1) 1. The table is driven by an electric motor which includes a number of separately excitable poles equal to the number of its hollow.

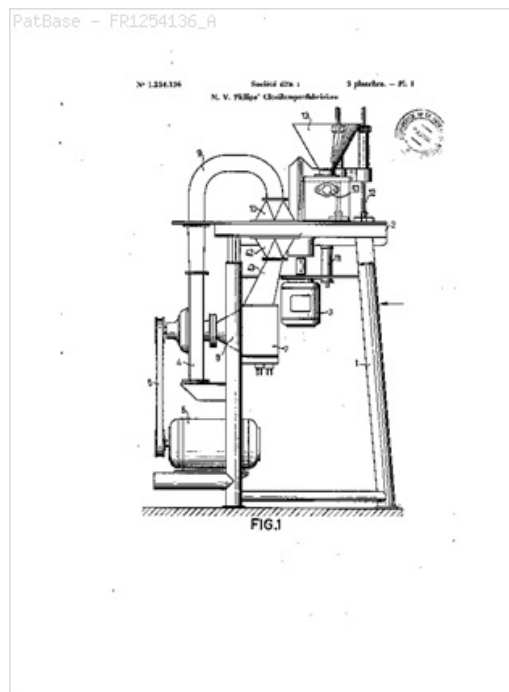
Classifications:

International (IPC 8-9): B29B13/02 B29D17/00 (Advanced/Invention);
B29B13/00 B29D17/00 (Core/Invention)

International (IPC 1-7): B29B3/00 G11B3/70

CPC: B29B13/021 B29D17/002

European: 42G16C B29B13/02B B29D17/00B



Family:

Publication number	Publication date	Application number	Application date
FR1254136 A	19610217	FR19600824129	19600412

Priority:

FR19600824129 19600412

Probable Assignee: PHILIPS NV

Assignee(s): (std): PHILIPS NV

Assignee(s): N V PHILIPS GLOEILAMPENFABRIEKEN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR1254136 A	19610217	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1254136 A	19800412	PEXP		Calculated Patent Term Expiry	

Title: PREPARATION OF POLISHED BARLEY CONTAINING ADLAY

Abstract: PURPOSE:To obtain the titled product giving a cooked food having soft texture, and giving improved taste, flavor and palatability when used as a mixture of rice and barley, by mixing pressed adlay with pressed barley by a specific method, and accelerating the gelatinization of the mixture by steam-blasting and thermal conditioning. CONSTITUTION:Adlays are pressed, and classified to a small-sized adlay of 6.5-9 mesh and a fine-grained adlay of 9-10 mesh. The small-sized pressed adlay is hydrated and mixed under stirring, and the mixture is mixed with the fine-grained pressed adlay under stirring. The mixture is preliminarily conditioned in a conditioning rotary drum under the flow of hot air, and mixed with pressed barley. The obtained mixture is subjected to the steam-blasting and thermal conditioning to accelerate the gelatinization. The objective product having flattened or granular form can be prepared by this process.

Classifications:

International (IPC 8-9): A23L1/10 A23L7/10 (Advanced/Invention);
A23L1/10 (Core/Invention)

International (IPC 1-7): A23L1/10

Family:

Publication number	Publication date	Application number	Application date
JP1392306 C3	19870723	JP19840236281	19841108
JP61040381 B4	19860909	JP19840236281	19841108
JP61115453 A2	19860603	JP19840236281	19841108

Priority:

JP19840236281 19841108

Probable Assignee: ISHIBASHI KOGYO KK

Assignee(s): (std): ISHIBASHI KOGYO KK

Inventor(s): (std): ISHIBASHI JUNSUKE

Legal status (INPADOC)

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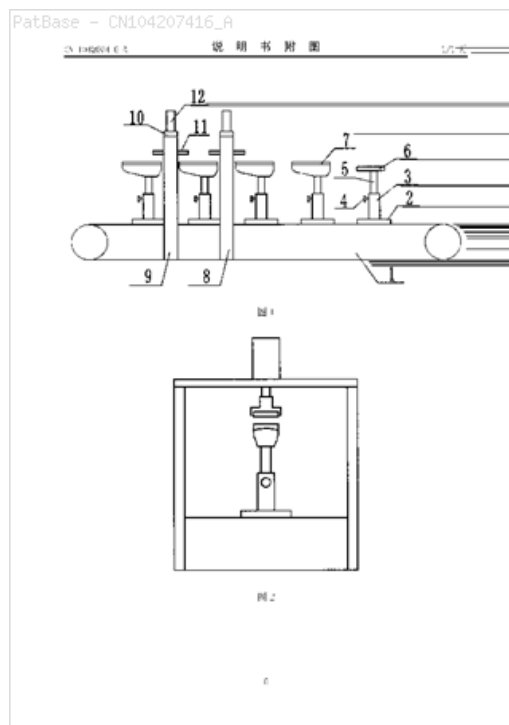
Patent	Date recorded	Event group	Code	Event	Details
JP1392306 C3	19870723	LSGT	+	granted / extensions (spc, cpc, pte)	
JP61040381 B4	19860909	LSPB	+	published / reissued	
JP61115453 A2	19860603	LSPB	+	published / reissued	

Title: SHOE SOLE MOLDING PRESS USED FOR MAKING SHOES

Abstract: The invention relates to a shoe sole molding press used for making shoes. The shoe sole molding press comprises a conveyor belt, wherein one row of supporting shoe racks used for placing shoe bodies is arranged in parallel on the conveyor belt; each supporting shoe rack consists of a bottom plate fixedly arranged on the conveyor belt, a socketed pipe arranged on the bottom plate, a regulation rod inserted in the socketed pipe, and a shoe tree arranged on the upper end part of the regulation rod; the shoe bodies are arranged on the shoe trees; one end of the conveyor belt is provided with a first rack body and a second rack body in parallel; the top erecting beams of the first rack body and the second rack body are provided with driving hydraulic cylinders. According to the shoe sole molding press disclosed by the invention, manufacture cost is lowered, height distance between each shoe body and pressing molds is regulated by regulating a handwheel when the shoe sole molding press is used, processing positions can be conveniently regulated, the first rack body and the second rack body are arranged on one side of the conveyor belt and are respectively provided with the hydraulic cylinders connected with the pressing molds, the pressing molds are driven by the driving hydraulic cylinders to press grains on the shoe sole of each shoe body, the clear grains are guaranteed to be pressed on the shoe sole of each shoe body by two times of shoe sole **grain pressing** operation, and working efficiency is high.

Classifications:

International (IPC 8-9): A43D25/08 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN104207416 A	20141217	CN201410508320	20140921

Priority:

CN201410508320 20140921

Probable Assignee:

SU ZHONGZHU

Assignee(s): (std):

SU ZHONGZHU

Assignee(s):

SU COLUMN

Inventor(s): (std):

SU ZHONGZHU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104207416 A	20141217	LSPB	+	published / reissued	
CN104207416 A	20141217	LSPB	+C06	PUBLICATION	
CN104207416 A	20170825	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	

Title: EMBOSSED LEATHER AND PROCESS FOR PREPARING THE SAME

Abstract: In embossing and decorating leather, a surface of the leather, e.g. the grain surface, is coated and slightly impregnated with a paraffin or a wax, and a pattern is then impressed on the surface by an embossing device, such as a roller operated mechanically or by hand, heated to a temperature between 200 and 650 DEG C., e.g. between 250 and 650 DEG C. During embossing of the leather, it is preferably backed by an elastic or resilient support. The paraffin or wax may have a melting point between 50 and 70 DEG C. Specified paraffins are: tetracosane, pentacosane, tricontane and hentricontane. A suitable wax is beeswax. The paraffin or wax may be applied to the surface of the leather in the form of an aqueous emulsion containing between 5 and 15 percent, e.g. 10 percent, by weight, of the paraffin or wax and, if desired a small amount, e.g. 1.2 percent, of an emulsifier. Between 2 and 20 grams of a 10 percent emulsion may be applied per square metre of the surface of the leather. In order to prevent the paraffin or wax penetrating too deeply and too quickly into the leather, its surface may be pre-treated with an aqueous dispersion containing between 0.5 and 2.0 percent, e.g. 100 percent, by weight, of one or more than one of the substances: egg albumen, blood albumen, casein, e.g. acidic milk casein, and a non-thermoplastic albuminoid condensation product. Between 3 and 30 grams of a 1.0 percent dispersion may be applied per square metre of the surface of the leather. Additional decorative effects may be obtained by embossing leather dyed with a heat-changeable dye.

Classifications:

International (IPC 8-9): C14B1/56 C14C11/00 (Advanced/Invention); C14B1/00 C14C11/00 (Core/Invention)

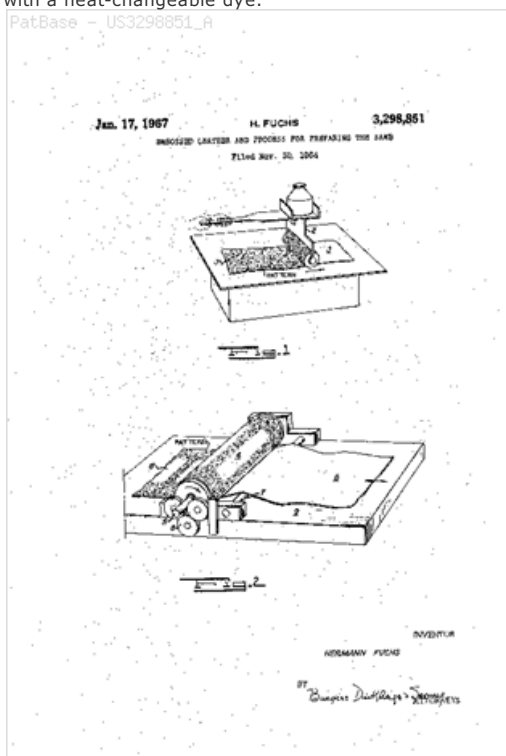
International (IPC 1-7): C14B1/56 C14C11/00 C14C9/02

CPC: Y10T428/24438 Y10T428/24479 C14C11/00 C14B1/56 C14B2700/18 Y10T428/31801

European: C14B1/56 C14C11/00 M14B700/18

US: 101/32 427/276 428/151 428/156 428/473 428/484.1

PatBase - US3298851_A



Family:

Publication number	Publication date	Application number	Application date
BE656622 A	19650401		19641204
DE1435279 A1	19681128	DE19631435279	19631205
GB1049730 A	19661130	GB19640048343	19641127
NL6413570 A	19650607	NL19640013570	19641120
US3298851 A	19670117	US19640414813	19641130

Priority:

DE1963F041475 19631205

Probable Assignee: FREUDENBERG CARL FA

Assignee(s): (std): FREUDENBERG CARL ; FREUDENBERG CARL FA

Assignee(s): CARL FREUDENBERG ; CARL FREUDENBERG FA ; FA CARL FREUDENBERG

Inventor(s): (std): HERMANN FUCHS ; FUCHS HERMANN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE656622 A	19650401	LSPB	+	published / reissued	
BE656622 A	19841204	PEXP		Calculated Patent Term Expiry	
DE1435279 A1	19681128	LSPB	+	published / reissued	
GB1049730 A	19661130	LSGT	+	granted / extensions (spc, cpc, pte)	
GB1049730 A	19841127	PEXP		Calculated Patent Term Expiry	

NL6413570 A	19650607	LSPB	+	published / reissued
US3298851 A	19670117	LSGT	+	granted / extensions (spc, cpc, pte)

Title: MANUFACTURE OF LAPPING BOARD

Abstract: A method for manufacturing a lapping board having abrasive grains fixed on its surface, which is performed by the steps of: preparing a rotatable metal board having a surface of soft metal, an abrasive slurry-supplying tool arranged over the surface of the metal board, an abrasive-pressing tool which is placed on the metal board and has a hard surface, and a ultrasonic oscillation-generating tool attached to either or both of the abrasive-pressing tool and the metal board; rotating the metal board while supplying an abrasive slurry onto the surface of the metal board and while supplying electric power to the ultrasonic oscillation-generating tool to generate and apply ultrasonic oscillation to either or both of the abrasive-pressing tool and the metal board, whereby introducing the supplied abrasive slurry between the metal board and the abrasive-pressing tool and partly embedding some abrasive grains onto the metal board; and removing unfixed abrasive grains from the metal board.

Classifications:

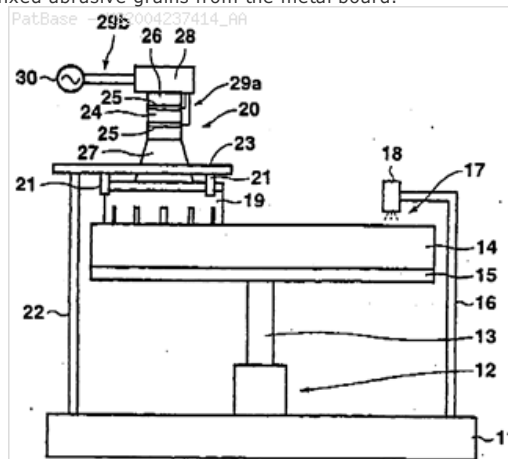
International (IPC 8-9): B24B1/00 B24B1/04 B24B37/04 B24B37/12 B24B7/00 B24D13/14 B24D18/00 B24D3/00 B24D3/06 B24D7/06 C09C1/68 (Advanced/Invention)

International (IPC 1-7): B24B33/00 B24D3/00 B24D7/06

CPC: B24B37/245 B24D18/00 Y10S451/91

European: B24B37/24F B24D18/00

US: 451/168 451/168P 451/36 451/41 451/54 451/56 451/910 51/293 51/295 51/307 51/307S 51/308 51/309 51/309P

**Family:**

Publication number	Publication date	Application number	Application date
JP2004345073 A2	20041209	JP20030148163	20030526
JP2008229844 A2	20081002	JP20080125156	20080512
JP2008238398 A2	20081009	JP20080125155	20080512
JP4155872 B2	20080924	JP20030148163	20030526
JP4235682 B2	20090311	JP20080125156	20080512
JP4705971 B2	20110622	JP20080125155	20080512
US2004237414 AA	20041202	US20040852145	20040525
US2008287042 AA	20081120	US20070948635	20071130
US7303599 BB	20071204	US20040852145	20040525
US7717769 BB	20100518	US20070948635	20071130

Priority:

JP20030148163 20030526 US20040852145 20040525 US20070948635 20071130
JP20080125155 20080512 JP20080125156 20080512

Probable Assignee:

UWAVE CO LTD

Assignee(s): (std):

OHNISHI KAZUMASA ; ONISHI KAZUMASA

Assignee(s):

UWAVE CO LTD

Inventor(s): (std):

OHNISHI KAZUMASA ; ONISHI KAZUMASA

Agent(s):

NIXON PEABODY LLP; JEFFREY L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2004345073 A2	20041209	LSPB	+	published / reissued	
JP2004345073 A2	20051112	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20051111
JP2004345073 A2	20080221	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080220
JP2004345073 A2	20080317	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080314
JP2004345073 A2	20080513	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080512

JP2004345073 A2	20080627	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2004345073 A2	20080707	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20080704
JP2004345073 A2	20080710	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2004345073 A2	20080717	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20080708
JP2004345073 A2	20080718	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2004345073 A2	20080718	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2008229844 A2	20081002	LSPB	+	published / reissued	
JP2008229844 A2	20081203	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008229844 A2	20081210	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20081209
JP2008229844 A2	20081211	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2008229844 A2	20081218	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20081215
JP2008229844 A2	20081219	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2008229844 A2	20081219	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2008238398 A2	20081009	LSPB	+	published / reissued	
JP2008238398 A2	20100621	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100618
JP2008238398 A2	20100723	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100722
JP2008238398 A2	20110215	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20110214
JP2008238398 A2	20110317	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110314
JP4155872 B2	20080924	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4155872 B2	20080715	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20090204	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4155872 B2	20090204	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP4155872 B2	20090213	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4155872 B2	20090213	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4155872 B2	20110428	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3

DATE OF DATABASE)					
JP4155872 B2	20110523	LSLE	R280	納付書補充指令書 (Payment refilling order form)	
JP4155872 B2	20110526	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4155872 B2	20110526	LSFE	R21	特許料納付書 (補充) (Patent fee payment form (replenishment))	
JP4155872 B2	20110607	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4155872 B2	20120719	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20120724	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP4155872 B2	20130411	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP4155872 B2	20130416	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP4155872 B2	20140717	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20140729	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4155872 B2	20150604	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20150609	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4155872 B2	20160721	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20160726	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4155872 B2	20170615	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20170620	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4155872 B2	20180524	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20180529	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4155872 B2	20190530	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4155872 B2	20190604	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4155872 B2	20230526	PEXP		Calculated Patent Term Expiry	
JP4235682 B2	20090311	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4235682 B2	20081216	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20100609	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4235682 B2	20100609	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP4235682 B2	20100617	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4235682 B2	20100617	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4235682 B2	20111208	LSFE	R20	特許料納付書 (Patent fee payment form)	

JP4235682 B2	20111213	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4235682 B2	20120927	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20121002	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP4235682 B2	20130912	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20130924	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4235682 B2	20140918	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20140924	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4235682 B2	20151119	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20151124	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4235682 B2	20160929	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20161004	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4235682 B2	20171109	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20171114	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4235682 B2	20181018	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4235682 B2	20181023	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4235682 B2	20280512	PEXP		Calculated Patent Term Expiry	
JP4705971 B2	20110622	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4705971 B2	20110217	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP4705971 B2	20110315	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4705971 B2	20110318	LSGT	+R150	特許証 (Patent certificate)	
JP4705971 B2	20131219	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4705971 B2	20131224	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4705971 B2	20141218	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4705971 B2	20141224	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4705971 B2	20151210	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4705971 B2	20151215	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4705971 B2	20161213	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP4705971 B2	20170318	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4705971 B2	20280512	PEXP		Calculated Patent Term Expiry	
US2004237414 AA	20041202	LSPB	+	published / reissued	
US2004237414 AA	20071114	LSGT	STCF	INFORMATION ON	TEXT : PATENTED CASE

STATUS: PATENT GRANT					
US2008287042 AA	20081120	LSPB	+	published / reissued	
US2008287042 AA	20100428	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7303599 BB	20071204	LSGT	+	granted / extensions (spc, cpc, pte)	
US7303599 BB	20071114	LSGT	PAT1	Patented Case	
US7303599 BB	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UWAVE CO., LTD., JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:OHNISHI, KAZUMASA; REEL/FRAME:022266/0071 EFFECTIVE DATE : 20090206
US7303599 BB	20110504	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7303599 BB	20150528	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7303599 BB	20190527	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US7303599 BB	20250505	PEXP		Calculated Patent Term Expiry (PTA 345 days)	
US7717769 BB	20100518	LSGT	+	granted / extensions (spc, cpc, pte)	
US7717769 BB	20100428	LSGT	PAT1	Patented Case	
US7717769 BB	20100708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UWAVE CO., LTD., JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:OHNISHI, KAZUMASA; REEL/FRAME:024654/0848 EFFECTIVE DATE : 20100701
US7717769 BB	20131115	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7717769 BB	20171106	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7717769 BB	20280304	PEXP		Calculated Patent Term Expiry (PTA 95 days)	

Title: REFRACTORY BONDED WITH PITCH

Abstract: The ferric iron content of a basic refractory material, containing a compound comprising ferric iron and oxygen, is chemically reduced prior to the formation of a carbon-bonded refractory article. The refractory material is preferably dead-burned calcium oxide and/or magnesium oxide. The ferric iron content is preferably reduced to 5-30 percent by weight of the total iron content. The reduction is carried out with a gaseous reducing agent such as methane, ethane, propane, ethylene, refinery gas or natural gas or with a solid reducing agent such as carbon, aluminium or magnesium.

Classifications:

International (IPC 8-9): C04B35/03 (Advanced/Invention);
C04B35/03 (Core/Invention)

CPC: Y10S264/20 C04B35/03

European: C04B35/03

US: 264/DIG.20 501/101 501/123

Family:

Publication number	Publication date	Application number	Application date
BE615209 A	19620917	BE19620615209	19620316
DE1471012 A1	19690529	DE19621471012	19620308
GB976537 A	19641125	GB19620008677	19620306
LU41397 A	19630316		19620316
US3210205 A	19651005	US19610096076	19610316

Priority:

US19610096076 19610316

Probable Assignee: BASIC INC

Assignee(s): (std): BASIC INC

Inventor(s): (std): FERGUSON SHURTZ ROBERT ; SHURTZ ROBERT F ; SHURTZ ROBERT FERGUSON

Inventor(s): ROBERT FERGUSON SHURTZ

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE615209 A	19620917	LSPB	+	published / reissued	
DE1471012 A1	19690529	LSPB	+	published / reissued	
GB976537 A	19641125	LSGT	+	granted / extensions (spc, cpc, pte)	
GB976537 A	19820306	PEXP		Calculated Patent Term Expiry	
LU41397 A	19630316	LSGT	+	granted / extensions (spc, cpc, pte)	
LU41397 A	19820317	PEXP		Calculated Patent Term Expiry	
US3210205 A	19651005	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: SCHAELVORRICHTUNG FUER GETREIDE, REIS ODER AEHNLICHE KOERNERFRUECHTE SCHAELVORRICHTUNG CEREALS, RICE OR SIMILAR food grain (Machine translation)

Abstract: Source: DE603847A [DE] (Claim 1) 1. PATENTANSPIZUGLI: Schaelvorrichtung fuer Getreide, Reis oder aehnliche Koernerfruechte, bei der in einem zylindrischen oder kegelfoermigen Behaelter mittels einer umlaufenden Foerderschnecke und auf der Welle sitzender Finger das Getreide gepresst, gefoerdert und umgewaelzt wird, dadurch gekennzeichnet, dass die Finger, einander dicht benachbart und nur auf der Welle sitzend, auf dem Umfang der Welle gegeneinander versetzt eine Schneckenlinie bilden.

Machine translation: (claim 1) 1 PATENTANSPIZUGLI: Schaelvorrichtung cereal, rice or similar Koernerfruechte, pressed when in a cylindrical or kegelfoermigen container by means of a circumferential Foerderschnecke and on the shaft seated fingers the grain, promoted and umgewaelzt, characterized in that the finger, adjacent to each other tightly and only sitting on the shaft, on the circumference of the shaft offset from one another a snail form kenlinie.

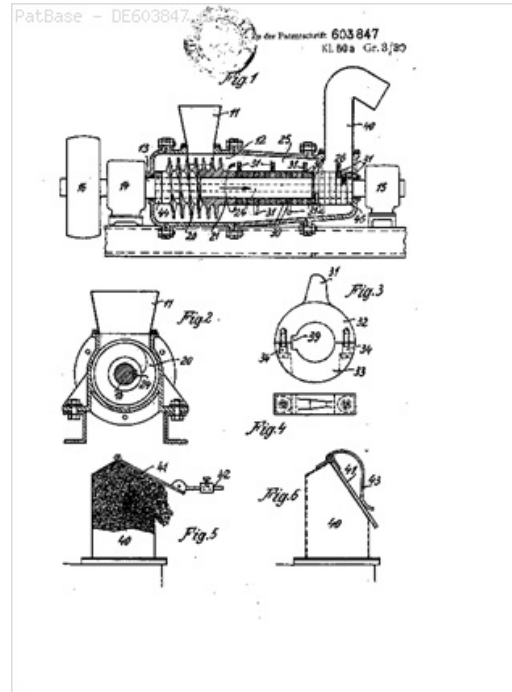
Classifications:

International (IPC 8-9): B02B3/02 (Advanced/Invention);
B02B3/00 (Core/Invention)

International (IPC 1-7): B02B3/06

CPC: B02B3/02

European: B02B3/02



Family:

Publication number	Publication date	Application number	Application date
DE603847 A	19341009	DE1931S101816D	19311112

Priority:

DE1931S101816 19311112

Probable Assignee: METALLURG REUNIS ATEL SA

Assignee(s): (std): METALLURG REUNIS ATEL SA ; METALLURG REUNIS SA ATEL

Assignee(s): SOCIETE ANONYME LES ATELIERS METALLURGIQUES REUNIS ; ANONYME LES ATELIERS METALLURGIQUES REUNIS SOC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE603847 A	19341009	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Glass decoration System (Machine translation)

Abstract: Source: JP1511504S **Machine translation:** This article is a glass decoration system that is used to adhere to the glass back, and pasted to various window glass and glass dividers. Genuine products have translucent. Of the surface constituting the outer periphery, the front side of the surface, is subjected to the **grain pressing** process with a tint in the semi-gloss of the leaf pattern in the sand pattern by **grain pressing**. In addition, a flower is printed on the leaf pattern and a part. In addition, leaf pattern and print of the embossed press is disposed to overlap partially. The combination of the tint of the printing and the shading of the grain pushes the depth feeling and the sunlight.

Classifications:

Locarno class: 19/08



Family:

Publication number	Publication date	Application number	Application date
JP1511504 S	20141117	JP20140003619F	20140203

Priority:

JP20140003619F 20140203

Probable Assignee:

MEIWA GRAVURE CO LTD

Assignee(s):

MEIWA GRAVURE CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP1511504 S	20141117	LSGT	+	granted / extensions (spc, cpc, pte)	
JP1511504 S	20341117	PEXP		Calculated Patent Term Expiry	

Title: Glass decoration System (Machine translation)

Abstract: Source: JP1511505S **Machine translation:** This article is a glass decoration system that is used to adhere to the glass back, and pasted to various window glass and glass dividers. Genuine products have translucent. Of the surface constituting the outer periphery, the front side of the surface has a stripe pattern in the sand joint by the **grain pressing** process. Further subjected to embossing of floral pattern and leaf pattern, the recess of each pattern is subjected to **grain pressing** with irregularities due to the flat portion and Stripes, and further multicolor printing on the part of each pattern. The floral pattern and the leaf pattern of the print and the flower pattern of the embossed press are arranged to overlap. The brightness of the floral pattern and the leaf pattern is changed by the combination of the uneven difference of the printing tint and the grain pushing process, and the angle of view.

Classifications:

Locarno class: 19/08



Family:

Publication number	Publication date	Application number	Application date
JP1511505 S	20141117	JP20140003620F	20140203

Priority:

JP20140003620F 20140203

Probable Assignee:

MEIWA GRAVURE CO LTD

Assignee(s):

MEIWA GRAVURE CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP1511505 S	20141117	LSGT	+	granted / extensions (spc, cpc, pte)	
JP1511505 S	20341117	PEXP		Calculated Patent Term Expiry	

Title: Front-mounted hydraulic straw-shredding stubble cleaner

Abstract: The utility model relates to a front-mounted hydraulic straw shredding stubble cleaner which is suspended on the tractor frame through a hydraulic suspension device. The utility model comprises a cutting roller which is fixed on the frame, a triaxial gear reduction box, a stubble shaving roller, a feeding roller, a guard board, a **grain pressing** roller, a divider and a fixed knife. The cutting roller and the stubble planing roller are connected with the reduction box through a belt and a chain separately, and the feeding roller is connected with the cutting roller through a chain. The cutting roller and the feeding roller clockwise rotate, and the stubble planing roller anticlockwise rotates. The structure of the straw shredding stubble cleaner is simple, the energy consumption is low, the operation is convenient, and the efficiency of stubble cleaning and pulverization is high. The utility model is particularly suitable for being used on the small-sized four-wheel tractors with 12 to 18 horse power which have the most quantity of China.

Classifications:

International (IPC 8-9): A01B43/00 (Advanced/Invention);
A01B43/00 (Core/Invention)

International (IPC 1-7): A01B43/00 A01D49/00

Family:

Publication number	Publication date	Application number	Application date
 CN2353116 Y	19991215	CN19982052322U	19981230

Priority:

CN19982052322U 19981230

Probable Assignee: SHENZE COUNTY FARM MACHINERY P

Assignee(s): (std): SHENZE COUNTY FARM MACHINERY P

Assignee(s): SHENZE COUNTY FARM MACHINERY PILOT FACTORY

Inventor(s): (std): HUANMIN ZHANG ; MA ZHENHU ; ZENGGUO ZHOU ; ZHANG HUANMIN ; ZHENHU MA ; ZHOU ZENGGUO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN2353116 Y	19991215	LSGT	+	granted / extensions (spc, cpc, pte)	
CN2353116 Y	19991215	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN2353116 Y	20010214	LSLE	-C19	LAPSE OF PATENT RIGHT DUE TO NON-PAYMENT OF THE ANNUAL FEE	
CN2353116 Y	20081230	PEXP		Calculated Patent Term Expiry	

Title: GRAIN INSPECT INSTRUMENT

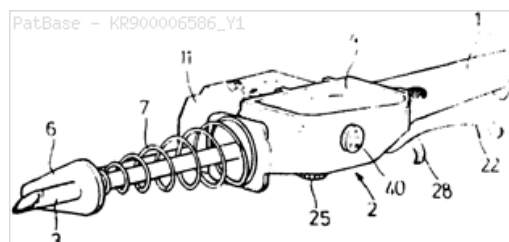
Abstract: Source: KR900006586Y **Machine translation:** [Source: claim 1] **1.** The front end of the handle (1) is the leading end on the tester main body (2) formed of the cannulated body (3) of dolseol pointed against the upper surface of the main body (2) of the grain viewing window (4) chamber 5 and checker in communication with the input and the outer periphery of the base plate (6) to the insertion tube body (3) body (3) in the vicinity of the front end of the insertion tube so that the tube to be Tangier spring (7) is that the outward on one side of the base plate (6) a piston rod (8) to chakseol checker chamber 5 on the side of the main body (2) and (9) Grain added via a connecting passage being in communication with the rear end of the cylinder 11 through the exhaust hole (10)(10') sapseol in the interior of the station disasters 12 is attached to piston 13 to the bottom surface of the chamber 5 grain grain 14 into appropriate size that can be basil drill a hole (15) of the laboratory (16) of the dropping grain drying sikimyeo communicating the pressurized interval **grain pressing** portion 17 and the outside one side of gap portions (17) pressing at an interval in the springs 19 to 18 inside the tube pressing block 20 that is interpolated by pressing the elastic spring 21, and spring 23 is tangier bar 22 is rotated by the rotating plate 24 to the inside of the jiksamgakhyeong section is pressed for 20 of the roller 20' and the control plate 24 to rotate the abutment 25 by the shaft 26 and to the inner pressure (2) is pressed by the abutment to adjust a degree of grain to be able to adjust the spacing interval portion 17 and lower portion 17 of the pressing distance grain consisting of (27)(27') number to install opening and closing the bars 28 rise plate that is rotated by the operation of the operating plate 29 is pressed interval unit 17 of grains by the lifting materials, and at the same time into the BEOLRIM installed elasticity in between (30) (32) by spring 31 outwardly open grain control between the laboratory (16) Opening and closing plate 33, and to be able to use the cuff pressure for 20 and an interior 18 has (34)(34') and the rotating shaft 35 via the connection between the grains, respectively for measuring the thickness, it is possible to rotate needle (39) indication of grains that are hayeoseo checker.

Classifications:

International (IPC 8-9): G01N33/02 (Advanced/Invention);

G01N33/02 (Core/Invention)

International (IPC 1-7): G01N33/01 G01N33/02



Family:

Publication number	Publication date	Application number	Application date
KR900006586 Y1	19900726	KR19870024739U	19871231

Priority:

KR19870024739U 19871231

Probable Assignee:

HUH SUNG HWAN

Assignee(s): (std):

HUH SUNG HWAN

Inventor(s): (std):

HUH SUNG HWAN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR900006586 Y1	19900726	LSGT	+	granted / extensions (spc, cpc, pte)	
KR900006586 Y1	19871231	LSES	A201	REQUEST FOR EXAMINATION	
KR900006586 Y1	19901026	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR900006586 Y1	19971231	PEXP		Calculated Patent Term Expiry	

Title: Trench table to rotate perfecting press (Machine translation)

Abstract: Source: TW118782Y **Machine translation:** (Claim 1) on 0.1 kind of tables the rotation perfecting press, are the embody one; Driving mechanism, an adjusting mechanism, a group of runner print machine; The construction and the guiding organization, in which driving mechanism is located the base; The body rear area, the adjusting mechanism is located on the base seat frame body; But the runner print organization is located the base seat frame body front; Guides the organization in addition second the printing extensions in runner print organization; Lines on the feet and palms of buddha to it gap above, this structure characteristic lies in: ; --Base seat frame body; As two parallel establishment frames; The body, each frame body has two frame holes, in front of each other; Latter mutual symmetry; --Driving mechanism; As soon as is by actuates the motor and one; The group drive gear combines the former; --Adjusting mechanism; Is by the establishment in the above base; Frame of hole in the body, may make the glide displacement the bearing; The place composes, in which depends on the frame hole central committee in the bearing seat; The position has a tension spring establishment separately, but is depending on; The frame hole flank has the spiro union regulator rod, in addition front; Bearing seat of distinction coupling the latter symmetry has a revolution axis, this; Revolution axis end is of group of biographies coupling above driving mechanisms; Moves the gear, but front end then second coupling runner print organization; Prints the runner; --Runner print organization: Group of fittings for symmetry; Sets, as soon as each group has respectively prints the runner, an inking hoop; And a shaving knife, the ink, in which is printing the runner to lose the surface; On has printing the concave **grain pressing**, but ink in central; The separation, and has a hole, is located two prints runner it; Underneath gap; --Guiding organization; In order to coordinate to print the physique; Has hoop of and the guiding tube its guiding arrangement; Organization of the affiliation above structure characteristic combines a volume; Small, ease of operation, can coordinate to print, by adjuster; The construction adjusts two prints between the runner the suitable gap, but the affiliation drives; Transmission of gear cluster the drive mechanism leads this two printing to transfer the crop rotation; The relative revolving operation, the affiliation guiding organization guidance is printed again; The thing after two prints between the runner, makes superficial the stamping operation; Also wang is suitable for surface of India the revertex or rubber foaming hose; Brushes the processing and the plane two-sided double bags print work, has; Good operating effectiveness.

Classifications:

International (IPC 1-7): B41L17/18

Family:

Publication number	Publication date	Application number	Application date
 TW118782 Y	19890911	TW19880200357U	19880115

Probable Assignee: CAI YONGMING

Assignee(s): CAI YONGMING

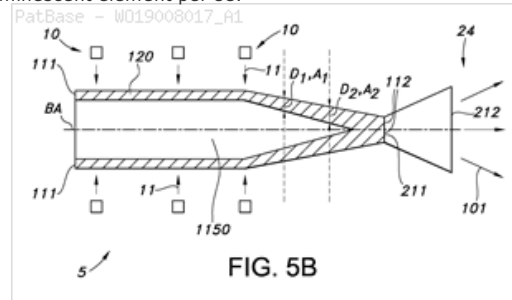
Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
TW118782 Y	19890911	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: LIGHT CONCENTRATOR MODULE

Abstract: The invention provides a lighting device (1) comprising a luminescent element (5) comprising an elongated light transmissive body (100), the elongated light transmissive body (100) comprising a side face (140), wherein the elongated light transmissive body (100) comprises a luminescent material (120) configured to convert at least part of a light source light (11) selected from one or more of the UV, visible light, and IR received by the elongated light transmissive body (100) into luminescent material radiation (8). The invention further provides such luminescent element per se.

Classifications:**International (IPC 8-9):** F21K9/64 F21V8/00 (Advanced/Invention)**CPC:** G02B6/0003 G02B6/0096 F21K9/64**Family:**

Publication number	Publication date	Application number	Application date
WO19008017 A1	20190110	WO2018EP68060	20180704

Priority:

WO2017CN092253 20170707 EP20170188736 20170831

Probable Assignee: PHILIPS LIGHTING HOLDING BV**Assignee(s):** (std): PHILIPS LIGHTING HOLDING BV**Inventor(s):** (std): LI YUN ; HAENEN LUDOVICUS ; KADIJK SIMON ; HOELN CHRISTOPH ; DE BOER DIRK**Inventor(s):** HAENEN LUDOVICUS JOHANNES LAMBERTUS ; HOELN CHRISTOPH GERARD AUGUST ; DE BOER DIRK KORNELIS GERHARDUS ; KADIJK SIMON EME**Agent(s):** MALLENS ERIK PETRUS JOHANNES 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)[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
WO19008017 A1	20190110	LSPB	+	published / reissued	

Title: Ceramic capacity medium with low consumption and high pressure resisting and preparation process thereof

Abstract: The invention discloses a low power consumption high withstand voltage ceramic capacitor medium. Considering the weight of BaTiO₃ is 1, adding 0.5-1.2 percent niobium nickel compound, 0.1-0.3 percent niobium manganese compound, 0.25-1 percent MnCO₃ and 4-5 percent glass powder. The process includes the following steps: mixing niobium nickel compound and niobium manganese compound, taking ball milling, drying, **graining, pressing** into disc shape green compact, sintering in 1125-1135 degree centigrade, keeping temperature for 2-4 hours. The ceramic capacitors have the features of low power consumption, and high withstand voltage.

Classifications:

International (IPC 8-9): C04B35/468 C04B35/622 H01B3/12 H01G4/12 (Advanced/Invention);
C04B35/462 C04B35/622 H01B3/12 H01G4/12 (Core/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN100363301 C	20080123	CN200510016196	20051121
 CN1793028 A	20060628	CN200510016196	20051121

Priority:

CN200510016196 20051121

Probable Assignee: UNIV TIANJIN

Assignee(s): (std): UNIV TIANJIN

Assignee(s): TIANJIN UNIV

Inventor(s): (std): CUI MING ; DAPENG WANG ; HONGRU WANG ; LI LINGXIA MING ; LINGXIA LI ; XIAODONG SUN

Inventor(s): LINGXIA MING LI ; MING CUI ; SUN XIAODONG ; WANG DAPENG ; WANG HONGRU ; LI LINGXIA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN100363301 C	20080123	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100363301 C	20080123	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100363301 C	20090121	LSLE	-C19	LAPSE OF PATENT RIGHT DUE TO NON-PAYMENT OF THE ANNUAL FEE	
CN100363301 C	20100929	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100363301 C	20251121	PEXP		Calculated Patent Term Expiry	
CN1793028 A	20060628	LSPB	+	published / reissued	
CN1793028 A	20060628	LSPB	+C06	PUBLICATION	

Title: Barium phthalate base ceramic capacity medium and preparation process thereof

Abstract: The invention discloses a barium titanate based ceramic capacitor medium. Considering the weight of BaTiO₃ is 1, adding 0.5-2 percent Nb₂O₅, 6-8 percent MgO, 3-5 percent Gd₂O₃, 0.02-0.1 percent MnCO₃, 0.2-2 percent Ag₂O and 4-6 percent glass powder. The process includes the following steps: mixing the material, taking ball milling, drying, taking part of the material to take second ball milling, drying, **graining**, **pressing** into disc shape green compact, sintering in 1125-1135 degree centigrade, keeping temperature for 3-5 hours. The ceramic capacitors have the features of low power consumption, and high temperature stability, and ultra large capacity.

Classifications:

International (IPC 8-9): C04B35/468 C04B35/622 H01B3/12 H01G4/12 (Advanced/Invention);
C04B35/462 C04B35/622 H01B3/12 H01G4/12 (Core/Invention)

Family:

Publication number	Publication date	Application number	Application date
■ CN100378032 C	20080402	CN200510016197	20051121
■ CN1793029 A	20060628	CN200510016197	20051121

Priority:

CN200510016197 20051121

Probable Assignee: UNIV TIANJIN

Assignee(s): (std): UNIV TIANJIN

Assignee(s): TIANJIN UNIV

Inventor(s): (std): CUI MING ; DAPENG WANG ; HONGRU WANG ; LI LINGXIA MING ; LINGXIA LI ; XIAODONG SUN

Inventor(s): LINGXIA MING LI ; MING CUI ; SUN XIAODONG ; WANG DAPENG ; WANG HONGRU ; LI LINGXIA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN100378032 C	20080402	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100378032 C	20080402	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100378032 C	20081203	LSLI	LIC	PATENT LICENCE CONTRACT FOR EXPLOITATION SUBMITTED FOR RECORD	PARTYTYPE : LICENSEE LICENSEE : BEIJING YUANLIU HONGYUAN ELECTRONIC TECHNOLOGY CO OLDPARTY : EXCLUSIVE LICENCE; TIME LIMIT OF IMPLEMENTING CONTACT: 2008.8.28 TO 2013.8.28 EFFECTIVE DATE : 20080924
CN100378032 C	20251121	PEXP		Calculated Patent Term Expiry	
CN1793029 A	20060628	LSPB	+	published / reissued	
CN1793029 A	20060628	LSPB	+C06	PUBLICATION	

Title: **Grain-pressing** type harvester

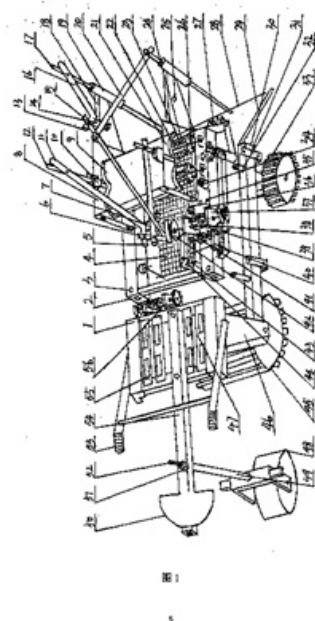
Abstract: The utility model provides a **grain-pressing** type harvester which comprises a grain cabin 8, a **grain-pressing** cover device 9, a thrasher wheel device 23, a straw pressing device 13 and a frame 1, wherein the **grain-pressing** cover device 9 and the thrasher wheel device 23 are positioned in the grain cabin 8, the straw pressing device 13 is positioned outside the grain cabin 8, the **grain-pressing** cover device 9 comprises a **grain-pressing** cover 21 and a link transmission rod 5, the thrasher wheel device 23 comprises a or a plurality of thrasher wheels 24, the straw pressing device 13 comprises a link transmission rod 20 and a **grain-pressing** rod 28, moreover, the frame 1 is provided with a connecting port A and a connecting port B 55, a transverse rod 54 is arranged on the left side, a wheel 45 is arranged below the frame 1, a wheel post 46 is provided with a handle 53, a transverse rod 30 is arranged on the right side, a framework 2 is supported by an adjusting post 32 which is positioned on the transverse rod 30; the grain cabin 8, a clutch device 37, a connecting hole 34, a post hole 3 and a supporting stand 34 are arranged on top of the framework 2, and a screen mesh device 4 and a grain mowing device 27 are arranged below the framework 2. The **grain-pressing** type harvester has simple structure, low cost, high efficiency and double functions of mowing and cultivating.

Classifications:

International (IPC 8-9): A01D41/02 A01D41/08 (Advanced/Invention)

PatBase - CN201541475_U

CN 201541475 U 说明书附图 1/1页



Family:

Publication number	Publication date	Application number	Application date
 CN201541475 U	20100811	CN200920164891U	20091128

Priority:

CN200920164891U 20091128

Probable Assignee:

JING LIANG

Assignee(s): (std):

JING LIANG

Assignee(s):

LIANG JING

Inventor(s): (std):

JING LIANG

Inventor(s):

LIANG JING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN201541475 U	20100811	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201541475 U	20100811	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201541475 U	20120208	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN201541475 U	20191128	PEXP		Calculated Patent Term Expiry	

Title: Ceramic capacity medium with wide temp performance and preparation process thereof

Abstract: The invention discloses a wide temperature feature ceramic capacitor medium. Considering the weight of BaTiO₃ is 1, adding 2-6 percent Nb₂O₅, 1-4 percent MgO, 1-3 percent MnCO₃, 8-12 percent CaZrO₃, 1.2-2.5 percent Ag₂O and 4-6 percent glass powder. The process includes the following steps: mixing the material, taking ball milling, drying, taking part of the material to take second ball milling, drying, **graining**, **pressing** into disc shape green compact, sintering in 1125-1135 degree centigrade, keeping temperature for 3-5 hours. The ceramic capacitors have the features of low power consumption, and high temperature stability, and ultra-large capacity in a wide working temperature range.

Classifications:

International (IPC 8-9): C04B35/468 C04B35/622 H01B3/12 H01G4/12 (Advanced/Invention);
C04B35/462 C04B35/622 H01B3/12 H01G4/12 (Core/Invention)

Family:

Publication number	Publication date	Application number	Application date
■ CN100363302 C	20080123	CN200510016199	20051121
■ CN1793030 A	20060628	CN200510016199	20051121

Priority:

CN200510016199 20051121

Probable Assignee: UNIV TIANJIN

Assignee(s): (std): UNIV TIANJIN

Assignee(s): TIANJIN UNIV

Inventor(s): (std): CUI MING ; DAPENG WANG ; HONGRU WANG ; LI LINGXIA MING ; LINGXIA LI ; XIAODONG SUN

Inventor(s): LINGXIA MING LI ; MING CUI ; SUN XIAODONG ; WANG DAPENG ; WANG HONGRU ; LI LINGXIA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN100363302 C	20080123	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100363302 C	20080123	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100363302 C	20130123	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100363302 C	20251121	PEXP		Calculated Patent Term Expiry	
CN1793030 A	20060628	LSPB	+	published / reissued	
CN1793030 A	20060628	LSPB	+C06	PUBLICATION	

Title: Process and apparatus for the partial or complete rendering to powder of cereal grains

Abstract: [Class 59] [Also in Group I] Grain is wholly or partially reduced to powder in an annular abrasive cell comprising two concentric circular walls 1, 2 joined by perforated walls 8 and rotated in a central shaft 4 by a pulley 5 at an increasing speed. A suction or blowing means (not shown) causes a gaseous current to traverse the cell which drives the powdered products towards the collector.

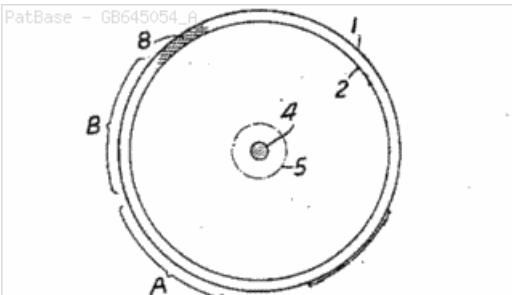
Classifications:

International (IPC 8-9): B02B3/04 B02C9/00 (Advanced/Invention);
B02B3/00 B02C9/00 (Core/Invention)

International (IPC 1-7): B02C9/00

CPC: B02B3/04 B02C9/00

European: B02B3/04 B02C9/00



Family:

Publication number	Publication date	Application number	Application date
GB645054 A	19501025	GB19460021601	19460719

Probable Assignee: EUGENE GRUBBEN

Assignee(s): (std): EUGENE GRUBBEN

Legal status (INPADOC)

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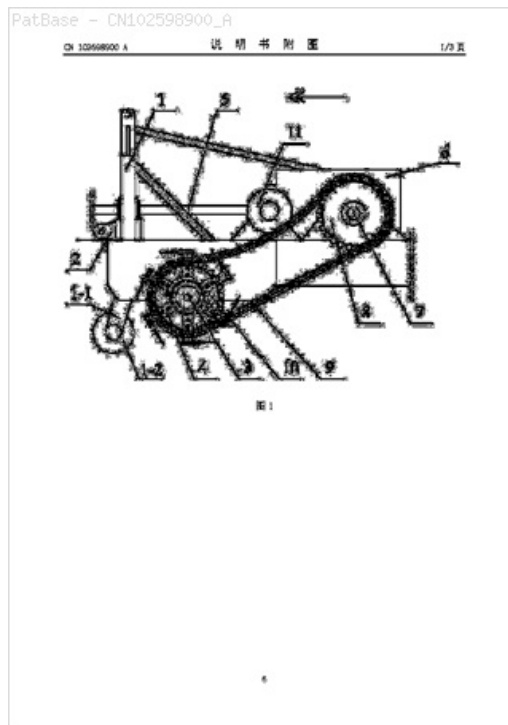
Patent	Date recorded	Event group	Code	Event	Details
GB645054 A	19501025	LSGT	+	granted / extensions (spc, cpc, pte)	
GB645054 A	19660719	PEXP		Calculated Patent Term Expiry	

Title: ROTARY-CUTTING, STRAW-CRUSHING AND STUBBLE-CLEANING MACHINE AND STUBBLE CLEANING TOOL ASSEMBLY USED WITH SAME

Abstract: Disclosed are a rotary-cutting, straw-crushing and stubble-cleaning machine and a stubble cleaning tool assembly used with the same. The technical scheme includes that the rotary-cutting, straw-crushing and stubble-cleaning machine structurally comprises a frame, a variable speed gear box, a stubble cleaning blade shaft and a stubble cleaning mechanism, wherein a suspension traction unit is arranged at the front end of the frame, the variable speed gear box is connected with a power output shaft of a tractor, the stubble cleaning blade shaft is limited on the frame through a bearing pair, the stubble cleaning mechanism is formed by a stubble cleaning tool assembly distributed on the stubble cleaning blade shaft, and the stubble cleaning blade shaft is connected with a power output shaft of the variable speed gear box through a transmission mechanism used with the stubble cleaning blade shaft. The rotary-cutting, straw-crushing and stubble-cleaning machine is characterized in that the stubble cleaning blade shaft rotates in a direction the same as directions of drive wheels of the tractor, a straw compression mechanism is arranged on a front extension part of the frame, the stubble cleaning tool assembly distributed on the stubble cleaning blade shaft is matched with the straw compression mechanism to form a continuous rolling, positioning, rotary-cutting and stubble-crushing mechanism. The stubble cleaning mechanism is modified, the cutting direction of stubble cleaning blades is changed to be in line with the advancing direction of the machine, and accordingly the technical problem of loss of machine power due to reacting force generated by earth surface is solved and energy resources are saved.

Classifications:

International (IPC 8-9): A01B33/00 A01B33/02 A01B33/08
A01B33/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN102598900 A	20120725	CN201210088395	20120330
■ CN202587766 U	20121212	CN201220126335U	20120330

Priority:

CN201210088395 20120330 CN201220126335U 20120330

Probable Assignee:

LI XIAOMING

Assignee(s): (std):

LI XIAOMING ; XIAOMING LI

Inventor(s): (std):

LI XIAOMING ; XIAOMING LI

Legal status (INPADOC)

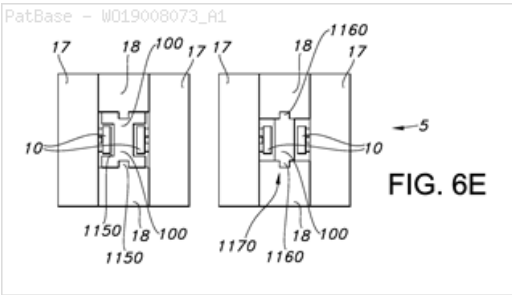
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN102598900 A	20120725	LSPB	+	published / reissued	
CN102598900 A	20120725	LSPB	+C06	PUBLICATION	
CN102598900 A	20140709	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CN202587766 U	20121212	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202587766 U	20121212	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202587766 U	20170517	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	

Title: LIGHTING DEVICE

Abstract: The invention provides a lighting device (1) comprising a luminescent element (5) comprising an elongated light transmissive body (100), the elongated light transmissive body (100) comprising a side face (140), wherein the elongated light transmissive body (100) comprises a luminescent material (120) configured to convert at least part of a light source light (11) selected from one or more of the UV, visible light, and IR received by the elongated light transmissive body (100) into luminescent material radiation (8).

Classifications:
International (IPC 8-9): F21K9/64 F21V8/00 (Advanced/Invention)
CPC: G02B6/0003 F21K9/64 G02B6/0021 G02B6/0088



Family:

Publication number	Publication date	Application number	Application date
WO19008073 A1	20190110	WO2018EP68181	20180705

Priority:

WO2017CN092245 20170707 EP20170188750 20170831

Probable Assignee: PHILIPS LIGHTING HOLDING BV

Assignee(s): (std): PHILIPS LIGHTING HOLDING BV

Inventor(s): (std): HAENEN LUDOVICUS ; HOELEN CHRISTOPH ; KADIJK SIMON ; LI YUN

Inventor(s): KADIJK SIMON EME ; HOELEN CHRISTOPH GERARD AUGUST ; HAENEN LUDOVICUS JOHANNES LAMBERTUS

Agent(s): MALLENS ERIK PETRUS JOHANNES 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
WO19008073 A1	20190110	LSPB	+	published / reissued	

Title: Squeeze vegetable oil expeller (Machine translation)

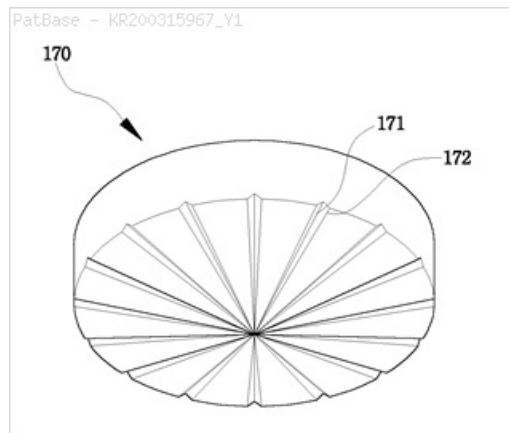
Abstract: Source: KR200315967Y **Machine translation:** This is designed to snap on vegetable oil expeller pressed into vegetable oil extractors grains such as sesame or sesame seeds. Will present design snap vegetable oil according to the milking machine, the pass is formed in the outer tube and the inner tube has a plurality of oil movement groove is formed to move up and down. Rotatably fixed to the left or right. On the body, and by the piston and the inside pass milking which contains the grain, such as sesame or sesame, the complex is inserted into the bottom of the distribution, the complex movement can be fixed by the piston inside the distribution and surface milking formed so through ball plurality of oil discharge plate and **grains pressing** the grains placed on top of the contained to be tinted distribution upper pressure plate and upper pressure plate fixed to an upper portion of the complex distribution not to discharge the upper pressing plate presses the grain by the milking plate is moved by the piston while pushed to the top of the complex distribution in the snap vegetable oil expeller formed as a prop to support; surface which is in close contact with the grains of the upper pressure plate there is characterized in that the plurality of oil guide grooves are formed. Milking machines, sesame seeds, perilla, compression

Classifications:

International (IPC 8-9): A23D9/00 (Advanced/Invention);
A23D9/00 (Advanced/Non-invention)

International (IPC 1-7): A23D9/00

CPC: A23D9/00



Family:

Publication number	Publication date	Application number	Application date
KR200315967 Y1	20030611	KR20030007705U	20030314

Priority:

KR20030007705U 20030314

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR200315967 Y1	20030611	LSGT	+	granted / extensions (spc, cpc, pte)	
KR200315967 Y1	20040530	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR200315967 Y1	20130314	PEXP		Calculated Patent Term Expiry	

Title: PROCESS FOR PREPARING SAPUCAINHA OIL OR BUTTER, COSMETIC OR PHARMACEUTICAL COMPOSITION AND USE OF THE SAPUCAINHA OIL OR BUTTER

Abstract: The present invention relates to a process for preparing a sapucainha oil butter which enables obtaining an improved product for use in cosmetic compositions instead of silicone and fatty esters compounds.

Classifications:

International (IPC 8-9): A61K36/18 A61K36/185 A61K8/92 A61K8/97 A61P17/00 A61Q19/00 C11B1/00 C11B1/06 C11B3/00 C11B3/04 C11B3/14 (Advanced/Invention);

A61P17/00 A61Q19/00 (Advanced/Non-invention);

A61K36/185 A61K8/92 C11B1/00 C11B3/00 (Core/Invention);

A61P17/00 A61Q19/00 (Core/Non-invention)

CPC: A61K8/922 A61K36/185 C11B1/06 C11B3/008 C11B3/04 C11B3/14

European: A61K36/185 A61K8/92C C11B1/06 C11B3/00F C11B3/04 C11B3/14

US: 424/776 424/776P

Family:

Publication number	Publication date	Application number	Application date
AT531784 E	20111115	AT20080772746T	20080610
BRPI0814808 A2	20150203	BR2008PI14808	20080610
CA2691609 AA	20081231	CA20082691609	20080610
CA2691609 C	20151124	CA20082691609	20080610
DE602008011112 D1	20120119	DE200860011112T	20080610
EP2171024 A1	20100407	EP20080772746	20080610
EP2171024 B1	20111102	EP20080772746	20080610
ES2376389 T3	20120313	ES20080772746T	20080610
FR2918072 A1	20090102	FR20070004621	20070627
FR2918072 B1	20091009	FR20070004621	20070627
US2011038970 AA	20110217	US20080666397	20080610
US9492372 BB	20161115	US20080666397	20080610
WO09000055 A1	20081231	WO2008BR00166	20080610

Priority:

FR20070004621 20070627 EP20080772746 20080610 WO2008BR00166 20080610

Probable Assignee: NATURA COSMETICOS SA

Assignee(s): (std): CAGNON JOSE RENATO ; CASTELLANI DEBORA CRISTINA ; FERNANDES DE OLIVEIRA AMANDA ; NATURA COSMETICOS SA ; ROESLER ROBERTA

Assignee(s): NATURA COSMETICOS ITAPECERICA DA SERRA SA ; NATURA COSMETICOS S A

Inventor(s): (std): CAGNON JOSE RENATO ; ROESLER ROBERTA ; CASTELLANI DEBORA CRISTINA ; FERNANDES DE OLIVEIRA AMANDA ; OLIVEIRA AMANDA FERNANDES DE

Inventor(s): AMANDA FERNANDES DE OLIVEIRA ; DEBORA CRISTINA CASTELLANI ; ROBERTA ROESLER ; JOSE RENATO CAGNON

Agent(s): MOFFAT AND CO; KUTZENBERGER WOLFF AND PARTNER PATENTANWALTSPARTNERSCHAFT MBB; SENIOR JANET; CABINET PLASSERAUD; ALSTON AND BIRD LLP; DANNEMANN SIEMSEN BIGLER AND IPANEMA MOREIRA

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 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 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
AT531784 E	20111115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT531784 E	20280610	PEXP		Calculated Patent Term Expiry	
BRPI0814808 A2	20170613	LSES	B07D	TECHNICAL EXAMINATION (OPINION) RELATED TO ARTICLE 229 OF INDUSTRIAL PROPERTY LAW	
BRPI0814808 A2	20171128	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0814808 A2	20180918	LSAS	B25G	REQUESTED	PARTYTYPE : OWNER

BRPI0814808 A2	20190521	LSGT	B09A	CHANGE OF HEADQUARTER APPROVED DECISION: INTENTION TO GRANT	OWNER : NATURA COSMETICOS S.A. (BR/SP)
CA2691609 AA	20081231	LSPB	+	published / reissued	
CA2691609 AA	20130613	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20130603
CA2691609 AA	20170724	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20170612
CA2691609 C	20151124	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2691609 C	20280610	PEXP		Calculated Patent Term Expiry	
EP2171024 A1	20100407	LSPB	+	published / reissued	
EP2171024 A1	20100407	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20100122
EP2171024 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160628 YEAR OF FEE PAYMENT : 9
EP2171024 B1	20111102	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2171024 B1	20111102	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2171024 B1	20111115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2171024 B1	20111123	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2171024 B1	20120119	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602008011112 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120119
EP2171024 B1	20120222	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20111102
EP2171024 B1	20120313	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2376389 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20120313
EP2171024 B1	20120425	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	REF COUNTRY CODE : EP EFFECTIVE DATE : 20111102
EP2171024 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120202
EP2171024 B1	20120430	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : IS

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EP2171024 B1	20120531	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 : 20111102
EP2171024 B1	20120531	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 : 20120302
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EP2171024 B1	20120531	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 : 20111102
EP2171024 B1	20120531	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 : 20111102
EP2171024 B1	20120531	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 : 20120203
EP2171024 B1	20120531	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 : 20111102
EP2171024 B1	20120531	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 : 20111102
EP2171024 B1	20120531	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 : 20111102
EP2171024 B1	20120629	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 : 20111102
EP2171024 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
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EP2171024 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120202
EP2171024 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20120915	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 531784 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20111102
EP2171024 B1	20121010	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20120803
EP2171024 B1	20121129	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602008011112 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120803
EP2171024 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120630
EP2171024 B1	20130131	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2171024 B1	20130215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2171024 B1	20130327	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A

EP2171024 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120630
EP2171024 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120610
EP2171024 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120630
EP2171024 B1	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20111102
EP2171024 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120610
EP2171024 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080610
EP2171024 B1	20150630	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
EP2171024 B1	20150831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20150612 YEAR OF FEE PAYMENT : 8
EP2171024 B1	20151030	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20150730 YEAR OF FEE PAYMENT : 8
EP2171024 B1	20151030	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20150717 YEAR OF FEE PAYMENT : 8
EP2171024 B1	20160628	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 : 9
EP2171024 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160628 YEAR OF FEE PAYMENT : 9
EP2171024 B1	20170301	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20160610
EP2171024 B1	20170531	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 : 20160610
EP2171024 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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20160610
EP2171024 B1	20170630	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 10
EP2171024 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170630 YEAR OF FEE PAYMENT : 10
EP2171024 B1	20180103	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602008011112 COUNTRY OF REF DOCUMENT : DE
EP2171024 B1	20180430	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 : 20180103
EP2171024 B1	20180531	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 : 20160611
EP2171024 B1	20180626	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20180626
EP2171024 B1	20180629	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP2171024 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180629 YEAR OF FEE PAYMENT : 11
EP2171024 B1	20280610	PEXP		Calculated Patent Term Expiry	
ES2376389 T3	20120313	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2376389 T3	20280610	PEXP		Calculated Patent Term Expiry	
FR2918072 A1	20090102	LSPB	+	published / reissued	
FR2918072 B1	20091009	LSGT	+	granted /	

				extensions (spc, cpc, pte)	
FR2918072 B1	20140328	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20140228
FR2918072 B1	20270627	PEXP		Calculated Patent Term Expiry	
US2011038970 AA	20110217	LSPB	+	published / reissued	
US2011038970 AA	20161026	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9492372 BB	20161115	LSGT	+	granted / extensions (spc, cpc, pte)	
US9492372 BB	20100927	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NATURA COSMETICOS S.A., BRAZIL OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FERNANDES DE OLIVEIRA, AMANDA; ROESLER, ROBERTA; CAGNON, JOSE RENATO; AND OTHERS; SIGNING DATES FROM 20100128 TO 20100302; REEL/FRAME:025042/0966
US9492372 BB	20150917	LSES	NFA1	Non Final Action Mailed	
US9492372 BB	20161026	LSGT	PAT1	Patented Case	
US9492372 BB	20170711	LSRE	CC	CERTIFICATE OF CORRECTION	
US9492372 BB	20310401	PEXP		Calculated Patent Term Expiry (PTA 1025 days)	
WO09000055 A1	20081231	LSPB	+	published / reissued	
WO09000055 A1	20091223	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2691609 COUNTRY OF REF DOCUMENT : CA
WO09000055 A1	20091229	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO09000055 A1	20100122	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008772746 COUNTRY OF REF DOCUMENT : EP
WO09000055 A1	20100928	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12666397 COUNTRY OF REF DOCUMENT : US
WO09000055 A1	20150203	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0814808 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20091228

Title: SCHLEIFKOERPER MIT SCHLEIFKORN GRINDING WITH ABRASIVE GRAIN (Machine translation)

Abstract: Source: AT366944B [DE] [Source: Claim 1] 1.

Classifications:

International (IPC 8-9): B24D3/34 (Advanced/Invention);
B24D3/34 (Core/Invention)

International (IPC 1-7): B24D3/34

CPC: B24D3/34 B24D3/344 B24D3/346

European: B24D3/34 B24D3/34B2 B24D3/34C

Family:

Publication number	Publication date	Application number	Application date
AT175580 A	19811015	AT19800001755	19800401
AT366944 B	19820525	AT19800001755	19800401

Priority:

AT19800001755 19800401

Probable Assignee: SWAROVSKI TYROLIT SCHLEIF

Assignee(s): (std): SWAROVSKI TYROLIT SCHLEIF

Assignee(s): TYROLIT SCHLEIFMITTELWERKE SWAROVSKI K G

Legal status (INPADOC)

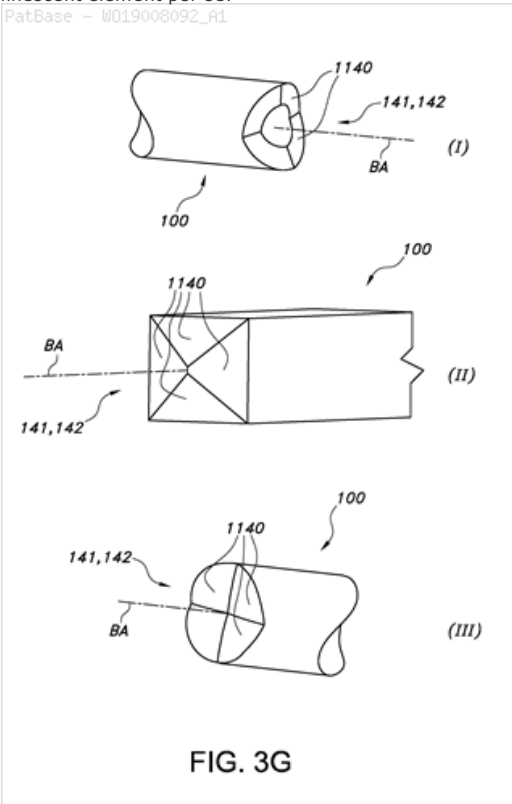
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Patent	Date recorded	Event group	Code	Event	Details
AT175580 A	19811015	LSPB	+	published / reissued	
AT366944 B	19820525	LSGT	+	granted / extensions (spc, cpc, pte)	
AT366944 B	19940715	LSLE	-ELJ	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT366944 B	19991015	LSPB	+UEP	PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION	
AT366944 B	20000401	PEXP		Calculated Patent Term Expiry	

Title: LIGHT CONCENTRATOR MODULE

Abstract: The invention provides a lighting device (1) comprising a luminescent element (5) comprising an elongated light transmissive body (100), the elongated light transmissive body (100) comprising a side face (140), wherein the elongated light transmissive body (100) comprises a luminescent material (120) configured to convert at least part of a light source light (11) selected from one or more of the UV, visible light, and IR received by the elongated light transmissive body (100) into luminescent material radiation (8). The invention further provides such luminescent element per se.

Classifications:
International (IPC 8-9): F21K9/64 F21V8/00 (Advanced/Invention)
CPC: G02B6/0003 F21K9/64



Family:

Publication number	Publication date	Application number	Application date
WO19008092 A1	20190110	WO2018EP68241	20180705

Priority:

WO2017CN092246 20170707 EP20170188729 20170831

Probable Assignee: PHILIPS LIGHTING HOLDING BV

Assignee(s): (std): PHILIPS LIGHTING HOLDING BV

Inventor(s): (std): HAENEN LUDOVICUS ; HOELEN CHRISTOPH ; KADIJK SIMON ; LI YUN

Inventor(s): KADIJK SIMON EME ; HOELEN CHRISTOPH GERARD AUGUST ; HAENEN LUDOVICUS JOHANNES LAMBERTUS

Agent(s): MALLENS ERIK PETRUS JOHANNES 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
WO19008092 A1	20190110	LSPB	+	published / reissued	

Title: Roller of turn span adjustment the **grain press** turns the calibrated dial (Machine translation)

Classifications:

International (IPC 1-7): A21C3/02

Family:

Publication number	Publication date	Application number	Application date
 TW109139 Y	19890301	TW19880200763U	19880312

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
TW109139 Y	19890301	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: ALIMENT OU COMPLEMENT D'ALIMENTATION POUR RUMINANTS

Abstract: Dry, solid, ruminant feed contains greater than or equal to 40 weight percent (pref. 50-90 weight percent) of lactose. Previously lactose has only been used in small quantities in animal feeds (=10 percent in feeds and =40 percent in feed complements) as it was through larger quantities reduced the animal's liking for the feed, caused digestive troubles (diarrhea) and metabolic troubles (acidosis). Tests have shown that this untrue and ruminants can digest substantial quantities of lactose; the only precaution necessary is to gradually increase the amt. of lactose so that the animals digestive system can become accustomed to the new feed. A suitable source of lactose is from dairies and cheese factories which have no use for the milk serum after extrn. of their prods. The main constituent of the milk serum is lactose and this may be recovered pref. by ultrafiltration of the skimmed milk and butter milk the dried prod. usually contg. 12-13 percent proteins, 10 percent mineral products and 70-75 percent of lactose. The feed may be presented as e.g. granules, meal, powder, condensed material, compacted material, tablets, as a licking block or nibbling stone etc.

Classifications:

International (IPC 8-9): A23K1/08 A23K1/16 (Advanced/Invention);
A23K1/08 A23K1/16 (Core/Invention)

International (IPC 1-7): A23K1/08 A23K1/18

CPC: Y02P60/875 A23K20/163 A23K10/28

European: A23K1/08 A23K1/16L

Family:

Publication number	Publication date	Application number	Application date
BE846013 A	19761231	BE19760170487	19760909
DE2640862 A1	19770324	DE19762640862	19760910
FR2323337 A1	19770408	FR19750028434	19750912
FR2323337 B1	19800725	FR19750028434	19750912

Priority:

FR19750028434 19750912

Probable Assignee: INST NAT RECH CHIMIQUE

Assignee(s): (std): AGRONOMIQUE INST NAT RECH ; INST NAL RECH CHIMIQUE APP ; INST NAT RECH CHIMIQUE

Assignee(s): INSTITUT NAL RECHER CHIMIQUE APP ; INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE ; NAL RECHER CHIMIQUE APP INST ; NATIONAL DE LA RECHERCHE AGRONOMIQUE INST

Inventor(s): (std): THIVEND PIERRE ; THIVENDR PIERRE ; THIVERD P

Inventor(s): P THIVERD ; PIERRE THIVEND

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE846013 A	19761231	LSPB	+	published / reissued	
DE2640862 A1	19770324	LSPB	+	published / reissued	
DE2640862 A1	19821209	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
FR2323337 A1	19770408	LSPB	+	published / reissued	
FR2323337 B1	19800725	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2323337 B1	19810731	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2323337 B1	19950912	PEXP		Calculated Patent Term Expiry	

Title: LIGHT CONCENTRATOR MODULE

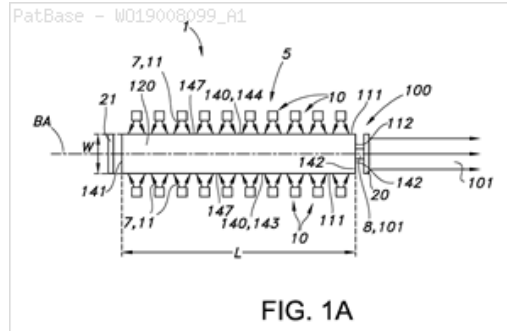
Abstract: The invention provides a lighting device (1) comprising a light source configured to provide light source light and a luminescent element (5) comprising an elongated light transmissive body (100), the elongated light transmissive body (100) comprising a side face (140), wherein the elongated light transmissive body (100) comprises a luminescent material (120) configured to convert at least part of the light source light (11) selected from one or more of the UV, visible light, and IR received by the elongated light transmissive body (100) into luminescent material radiation (8). The side face comprises the radiation input face (111), and the body further comprises a first face (141) and a second face (142) defining a length of the body, wherein the second face comprises a first radiation exit window (112). The side face comprises a curvature with a radius r , and the concentration of the luminescent material is chosen such that at least 80 percent of the source light is absorbed within a first length x from the side face, wherein x/r less than or equal to 0.4 applies.

Classifications:

International (IPC 8-9): F21K9/64 F21V8/00 (Advanced/Invention);

G02B6/036 (Advanced/Non-invention)

CPC: G02B6/0003 G02B6/0006 G02B6/0038 G02B6/03694 F21K9/64

**Family:**

Publication number	Publication date	Application number	Application date
WO19008099 A1	20190110	WO2018EP68256	20180705

Priority:

WO2017CN092252 20170707 EP20170188711 20170831

Probable Assignee: PHILIPS LIGHTING HOLDING BV

Assignee(s): (std): PHILIPS LIGHTING HOLDING BV

Inventor(s): (std): LI YUN ; HAENEN LUDOVICUS ; KADIJK SIMON ; HOELEN CHRISTOPH

Inventor(s): HOELEN CHRISTOPH GERARD AUGUST ; KADIJK SIMON EME ; HAENEN LUDOVICUS JOHANNES LAMBERTUS

Agent(s): MALLENS ERIK PETRUS JOHANNES 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
WO19008099 A1	20190110	LSPB	+	published / reissued	

Title: VAPOR BOILING RICE COOKER FOR GRAINS

Abstract: PURPOSE:To facilitate cleaning work within an immersion tank by providing an immersion device with both the immersion tank and an endless carrying device, and thereby providing the immersion tank detachably with a side wall. CONSTITUTION:In the meantime, grains which are forwarded into an immersion tank 2 by a conveyor 10 after having been steamed up at high temperature by a steaming device, are carried in by a **grain pressing** plate 5, and are immersed in highly warm water within the grain carrying tank 2a in the immersion tank 2 so as to absorb water, and then are forwarded to a secondary steaming device so as to be under saturated steam at high temperature so that they are cooked. When the immersion tank 2 is cleaned after cooking has been over, a side wall 4 is somewhat raised up with a fitting 17 removed while water within a heat insulating tank 18 is drained, the side wall 4 is rotated to the X direction indicated by an arrow head by means of water stored in the **grain pressing** plate 5 or the side wall itself so that water in the grain carrying tank 2a is drained out of a drain hole 20 through a drain pipe 19. High pressure water is supplied so as to let remaining objects be rinsed out to the insulating tank 18 side so that water is drained together with the remaining objects out of the drain hole 20.

Classifications:

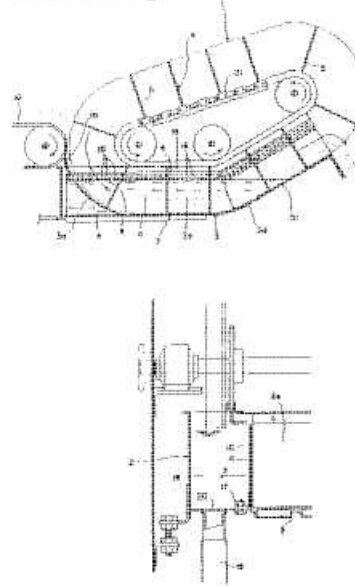
International (IPC 8-9): A23L1/10 A23L7/10

A47J27/16 (Advanced/Invention);

A23L1/10 A47J27/16 (Core/Invention)

International (IPC 1-7): A23L1/10 A47J27/16

PatBase - JP1284213_A2



Family:

Publication number	Publication date	Application number	Application date
JP1284213 A2	19891115	JP19880112186	19880509
JP6009533 B4	19940209	JP19880112186	19880509

Priority:

JP19880112186 19880509

Probable Assignee: HORIKEN KK

Assignee(s): (std): HORIKEN KK ; ISEKI FOODS ENG KK

Assignee(s): ISEKI ENJINIARINGU KK ; ISEKI FOODS ENG CO LTD

Inventor(s): (std): OBA KIYOYUKI ; SUGIMURA TAKESHI ; HORI KENJI

Inventor(s): Ooba KyoYuki

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP1284213 A2	19891115	LSPB	+	published / reissued	
JP6009533 B4	19940209	LSPB	+	published / reissued	

Title: TELESCOPIC AUGER

Abstract: A clean-out auger for a grain bin has a main auger, a telescoping sweep and a rotary joint connecting the two. The sweep may be adjusted in length to accomodate bins of different sizes. The use of a flexible screw section through the rotary joint allows the sweep to rotate through 360 DEG during operation. A sweep transporting mechanism is fixed to the outer end of the sweep for producing the rotation about the rotary joint.

Classifications:

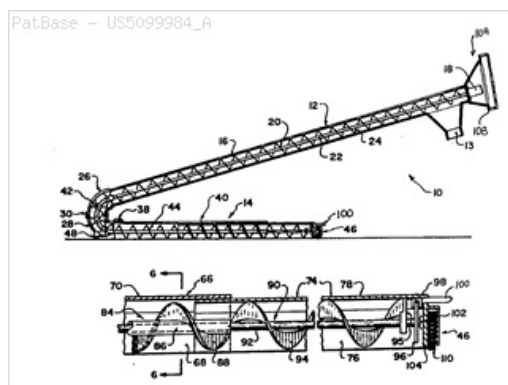
International (IPC 8-9): B65G33/16 B65G33/18 B65G33/24 B65G33/32 B65G65/46 (Advanced/Invention); B65G33/00 B65G33/08 B65G65/00 (Core/Invention)

International (IPC 1-7): B65G33/16 B65G33/32 B65G65/16 B65G65/46

CPC: B65G33/16 B65G33/18 B65G33/24 B65G33/32 B65G65/46

European: B65G33/16 B65G33/18 B65G33/24 B65G33/32 B65G65/46

US: 198/518 198/588 198/659 198/660 198/666 198/668 414/310 414/319



Family:

Publication number	Publication date	Application number	Application date
AU199180967 A1	19920107	AU19910080967	19910620
CA2036064 AA	19911221	CA19912036064	19910211
CA2036064 C	19940301	CA19912036064	19910211
US5099984 A	19920331	US19900543866	19900620
US5099986 A	19920331	US19910654539	19910213
WO9119658 A1	19911226	WO1991CA00222	19910620

Priority:

US19900543866 19900620 CA19912036064 19910211 US19910654539 19910213
WO1991CA00222 19910620

Probable Assignee: HI QUAL MFG LTD

Assignee(s): (std): HI QUAL MANUFACTURING LTD ; KUZUB DANNY ; KUZUB DANNY S

Assignee(s): HI QUAL MFG LTD ; DANNY KUZUB

Inventor(s): (std): KUZUB DANNY ; KUZUB DANNY S

Inventor(s): DANNY KUZUB

Agent(s): FURMAN AND KALLIO

Designated states: AT AU BE CH DE DK ES FR GB GR IT JP LU NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199180967 A1	19920107	LSPB	+	published / reissued	
CA2036064 AA	19911221	LSPB	+	published / reissued	
CA2036064 AA	19920519	LSES	+EEER	EXAMINATION REQUEST	
CA2036064 C	19940301	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2036064 C	20050211	LSLE	-MKLA	LAPSED	
CA2036064 C	20110211	PEXP		Calculated Patent Term Expiry	
US5099984 A	19920331	LSGT	+	granted / extensions (spc, cpc, pte)	
US5099984 A	19920320	LSGT	PAT1	Patented Case	
US5099984 A	19951103	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5099984 A	20000402	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5099984 A	20000613	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20000331
US5099984 A	20180127	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under	

				37 CFR 1.362	
US5099984 A	20180127	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5099984 A	20100620	PEXP		Calculated Patent Term Expiry	
US5099986 A	19920331	LSGT	+	granted / extensions (spc, cpc, pte)	
US5099986 A	19920320	LSGT	PAT1	Patented Case	
US5099986 A	19951103	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5099986 A	20000402	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5099986 A	20000613	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20000331
US5099986 A	20180127	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5099986 A	20180127	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5099986 A	20110213	PEXP		Calculated Patent Term Expiry	
WO9119658 A1	19911226	LSPB	+	published / reissued	
WO9119658 A1	19930420	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA

Title: A METHOD OF MAKING A METAL IMPREGNATED GRINDING TOOL

Abstract: Metal bonded abrasive tools are manufactured in which the abrasive grits are uniformly spaced and distributed throughout the tool, by encapsulating one or several abrasive grits in a porous layer of powdered metallic material and preferably sintering the layer, thereby forming individual abrasive grit containing particles which are then placed in a mold and the spaces between the particles filled with a conventional metallic bonding agent. Heat, and in some instances heat and pressure, is applied which permanently binds the mixture together in the desired form. The process is particularly well suited for the fabrication of metal bonded diamond wheels where the metal-bond to diamond-grit volume ratio is relatively high.

Classifications:

International (IPC 8-9): A63H33/04 B22F7/00 B24D18/00 B24D3/06 B24D3/08 B24D7/00 (Advanced/Invention);

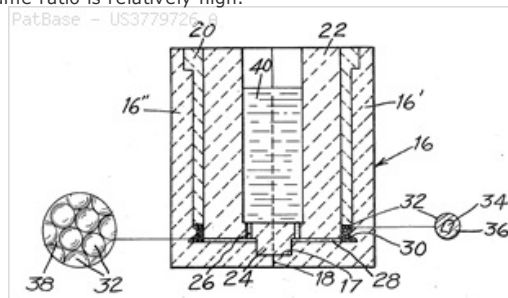
A63H33/04 B22F7/00 B24D18/00 B24D3/04 B24D7/00 (Core/Invention)

International (IPC 1-7): B22F B24D17/00 B24D3/00 B24D3/06 B24D3/10

CPC: A63H33/04 B24D3/08 B24D7/00 B24D18/00

European: A63H33/04 B24D18/00 B24D3/08 B24D7/00

US: 51/29.5 51/295 51/309



Family:

Publication number	Publication date	Application number	Application date
BE746859 A	19700907		00000000
BE746859 A1	19700907	BE19700746859	19700305
CH527033 A	19720831	CH19700003094	19700303
DE2011516 A1	19700910	DE19702011516	19700306
ES377040 A1	19720516	ES19700377040	19700228
FR2037742 A5	19701231	FR19700008126	19700306
GB1296122 A	19721115		19700304
JP48015996 B4	19730518	JP19700019065	19700307
US3779726 A	19731218	US19690805207	19690307

Priority:

US19690805207 19690307

Probable Assignee: NORTON CO

Assignee(s): (std): NORTON CO

Assignee(s): NORTON CO US ; NORTON COMPANY ; NORTON CY ; NORTON CY 1 NEW BOND STREET WORCESTER MASSACHUSETTS

Inventor(s): (std): FISK DE C ; CARVER E B ; EDGAR BENJAMIN CARVER ; REGINALD CHAPIN FISK ; CARVER E ; FISK R

Inventor(s): FISK R US ; CARVER E US ; CHAPIN FISK REGINALD ; BENJAMIN CARVER EDGAR ; DE C FISK ; E B CARVER ; EB CARVER ; DEC FISK

Legal status (INPADOC)

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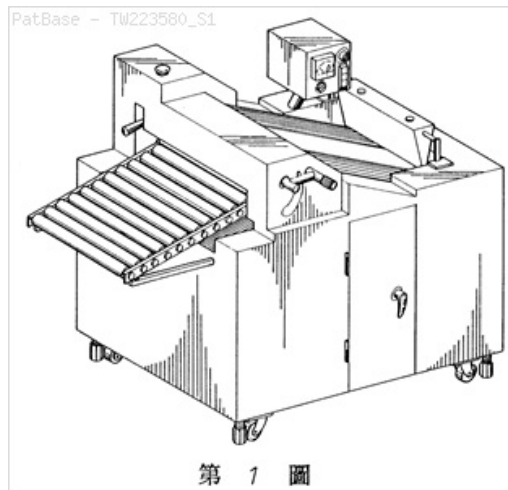
Patent	Date recorded	Event group	Code	Event	Details
BE746859 A	19700907	LSPB	+	published / reissued	
BE746859 A1	19700907	LSPB	+	published / reissued	
CH527033 A	19720831	LSGT	+	granted / extensions (spc, cpc, pte)	
CH527033 A	19811130	LSLE	-PL	PATENT CEASED	
CH527033 A	19900303	PEXP		Calculated Patent Term Expiry	
DE2011516 A1	19700910	LSPB	+	published / reissued	
DE2011516 A1	19811001	LSRV	-8131	REJECTION	
ES377040 A1	19720516	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2037742 A5	19701231	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2037742 A5	19820122	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2037742 A5	19900306	PEXP		Calculated Patent Term Expiry	
GB1296122 A	19721115	LSGT	+	granted / extensions (spc, cpc, pte)	
GB1296122 A	19900304	PEXP		Calculated Patent Term Expiry	
JP48015996 B4	19730518	LSPB	+	published / reissued	
US3779726 A	19731218	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Shape of (Machine translation)

Abstract: Source: TW223580S

Machine translation: The **grain press** one kind of **grain press**. ; It is like the attached figure shows, shell of wall the Israeli physique, the crown is equipped with hoop of, the instrument canister the transportation. ; This case created the shape, for first creates firmly, still also had the esthetic sense, Shang Qici the new model patent begs.

Classifications:



Family:

Publication number	Publication date	Application number	Application date
TW223580 S1	19940501	TW19930304901F	19930617

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
TW223580 S1	19940501	LSGT	+	granted / extensions (spc, cpc, pte)	
TW223580 S1	20050617	PEXP		Calculated Patent Term Expiry	

Title: METHOD FOR THE PRODCUTION OF A MONOGRain MEMBRANE FOR A SOLAR CELL, MONOGRain MEMBRANE, AND SOLAR CELL

Abstract: The invention relates to a method for producing a monograin membrane and a monograin membrane produced according to said method. The invention further relates to the production of a solar cell from such a monograin membrane as well as a produced solar cell. The monograin membranes produced according to the invention can also be used for other applications, e.g. for converting electric energy into radiation energy or in detectors for detecting radiation. The aim of the invention is to improve the production of monograin membranes and solar cells. Said aim is achieved by first preparing a horizontally oriented layer made of a binder that is not yet cured or cross-linked such that the binder is liquid or at least viscous. Grains are partially introduced into the layer through a surface of the layer in such a way that only a portion of each grain is immersed in the layer and a zone of the grain remains above the surface of the layer. As a result, the zone of the grain that remains above the surface of a binder is definitely not moistened by a binder. The binder is then solidified, e.g. in a curing or cross-linking process. The obtained monograin membrane comprises grains which protrude on one side and the surface of which is definitely not provided with binder or binder residues or any other glues, adhesives, or glue residues.

Classifications:

International (IPC 8-9): B41F15/34 H01L21/00 H01L21/20 H01L27/142

H01L31/0352 H01L31/0384 H01L31/04 H01L31/05 H01L31/068

H01L31/18 (Advanced/Invention);

H01L31/036 H01L31/04 H01L31/18 (Core/Invention)

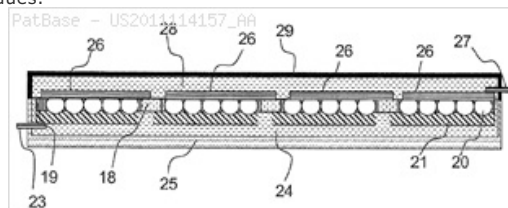
CPC: H01L31/046 H01L31/0384 H01L31/022425 H01L31/035281

Y02E10/50

European: H01L27/142R2 H01L31/0224B2 H01L31/0352C2 H01L31/0384

Y02E10/50

US: 136/250 257/E31.11 257/E31.110S 438/66 438/66S 438/800



Family:

Publication number	Publication date	Application number	Application date
CN102177592 A	20110907	CN200980125727	20090610
CN102177592 B	20141231	CN200980125727	20090610
DE102008040147 A1	20100128	DE200810040147	20080703
EP2291866 A2	20110309	EP20090772281	20090610
JP2011528491 T2	20111117	JP20110515291T	20090610
JP5559161 B2	20140723	JP20110515291T	20090610
US2011114157 AA	20110519	US20090001340	20090610
US8802480 BB	20140812	US20090001340	20090610
WO10000581 A2	20100107	WO2009EP57127	20090610
WO10000581 A3	20110922	WO2009EP57127	20090610

Priority:

DE200810040147 20080703 WO2009EP57127 20090610

Probable Assignee: CRYSTALSOL GMBH

Assignee(s): (std): CRYSTALSOL GMBH ; CRYSTALSOL OG ; MEISSNER DIETER

Inventor(s): (std): MEISSNER DIETER PROF DR ; DIETER MEISSNER ; MEISSNER DIETER

Inventor(s): MEISSNER DIETER PROFDR

Agent(s): GILLE HRABAL STRUCK NEIDLEIN PROP ROOS; RENNER OTTO BOISSELLE AND SKLAR LLP

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 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
CN102177592 A	20110907	LSPB	+	published / reissued	
CN102177592 A	20110907	LSPB	+C06	PUBLICATION	
CN102177592 B	20141231	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102177592 B	20141231	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102177592 B	20290610	PEXP		Calculated Patent Term Expiry	
DE102008040147 A1	20100128	LSPB	+	published / reissued	
DE102008040147 A1	20100128	LSSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102008040147 A1	20100527	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : CRYSTALSOL GMBH, WIEN, AT

DE102008040147 A1	20150410	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102008040147 A1	20150528	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	EFFECTIVE DATE : 20150410
EP2291866 A2	20110309	LSPB	+	published / reissued	
EP2291866 A2	20110309	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20101202
EP2291866 A2	20111026	LSES	R17D	DEFERRED SEARCH REPORT PUBLISHED (CORRECTED)	EFFECTIVE DATE : 20110922
EP2291866 A2	20170726	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20170627
JP2011528491 T2	20111117	LSPB	+	published / reissued	
JP2011528491 T2	20120323	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20120322
JP2011528491 T2	20130703	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130702
JP2011528491 T2	20131023	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20131022
JP2011528491 T2	20131211	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20131210
JP2011528491 T2	20140404	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140403
JP2011528491 T2	20140422	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011528491 T2	20140508	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20140507
JP2011528491 T2	20140612	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20140605
JP2011528491 T2	20140613	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5559161 COUNTRY OF REF DOCUMENT : JP
JP5559161 B2	20140723	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5559161 B2	20140515	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5559161 B2	20140610	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5559161 B2	20140613	LSGT	+R150	特許証 (Patent certificate)	
JP5559161 B2	20170615	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5559161 B2	20170620	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5559161 B2	20180614	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5559161 B2	20180626	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5559161 B2	20190613	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5559161 B2	20190618	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

JP5559161 B2	20290610	PEXP		Calculated Patent Term Expiry	
US2011114157 AA	20110519	LSPB	+	published / reissued	
US2011114157 AA	20140723	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8802480 BB	20140812	LSGT	+	granted / extensions (spc, cpc, pte)	
US8802480 BB	20101223	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRYSTALSOL GMBH, AUSTRIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MEISSNER, DIETER; REEL/FRAME:025563/0562 EFFECTIVE DATE : 20101220
US8802480 BB	20140723	LSGT	PAT1	Patented Case	
US8802480 BB	20180206	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8802480 BB	20300811	PEXP		Calculated Patent Term Expiry (PTA 427 days)	
WO10000581 A2	20100107	LSPB	+	published / reissued	
WO10000581 A2	20090610	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200980125727.X COUNTRY OF REF DOCUMENT : CN
WO10000581 A2	20101202	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009772281 COUNTRY OF REF DOCUMENT : EP
WO10000581 A2	20101223	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13001340 COUNTRY OF REF DOCUMENT : US
WO10000581 A2	20101228	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011515291 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

Title: MACHINE A LAMINER DES GRAINS DE CEREALES EVOLUTIVE

Abstract: The machine has a module (M) including a fixed chassis (1) on which a motor central axle (7) is arranged via two bearings (10). Multiple hubs (3) are arranged on the axle through a pinned liaison (7). Each of the hubs contacts, on its periphery, a free ring (2). The ring has an internal diameter greater than an external diameter of the hub, and an internal part identical to that of the periphery of the hub.

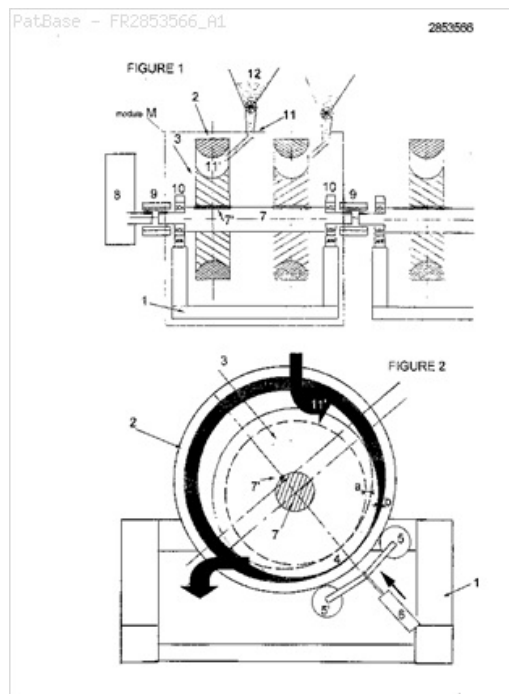
Classifications:

International (IPC 8-9): B02C15/00 B02C15/06 B02C4/06 B02C4/30
B02C9/00 B02C9/04 (Advanced/Invention);
B02C15/00 B02C4/00 B02C9/00 (Core/Invention)

International (IPC 1-7): B02C15/00 B02C4/06 B02C9/04

CPC: B02C4/06 B02C4/30 B02C9/00 B02C15/06

European: B02C15/06 B02C4/06 B02C4/30 B02C9/00



Family:

Publication number	Publication date	Application number	Application date
FR2853566 A1	20041015	FR20030004668	20030414
FR2853566 B1	20060714	FR20030004668	20030414

Priority:

FR20030004668 20030414

Probable Assignee: DEBOFFLES JEAN YVES

Assignee(s): (std): DEBOFFLES JEAN YVES

Assignee(s): JEAN YVES DEBOFFLES

Inventor(s): (std): DEBOFFLES JEAN YVES

Inventor(s): JEAN YVES DEBOFFLES

Agent(s): JEAN YVES DEBOFFLES

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR2853566 A1	20041015	LSPB	+	published / reissued	
FR2853566 A1	20150320	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 13
FR2853566 A1	20170127	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20161230
FR2853566 B1	20060714	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2853566 B1	20230414	PEXP		Calculated Patent Term Expiry	

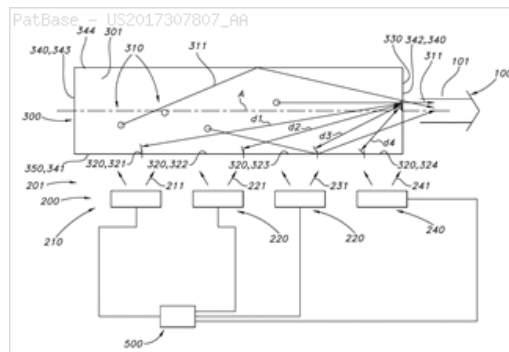
Title: COLOR CONTROL FOR LUMINESCENT LIGHT GUIDE

Abstract: The invention provides a lighting device (100) configured to provide lighting device light (101). The lighting device (100) comprises a plurality of light sources (200) configured to provide light source light (201), the plurality of light sources (200) comprising at least a first light source (210) configured to generate first light source light (211) and a second light source (220) configured to generate second light source light (221). The lighting device further comprises a light guide (300) comprising: a luminescent material (310) excitable by the light source light (201), and configured to provide luminescent material light (311), wherein the luminescent material (310) is configured to reabsorb at least part of its luminescent material light (311), a light exit window (330) for escape of the luminescent material light (311) from the light guide (300), and a plurality of light incoupling areas (320) arranged perpendicular to the light exit window (330) and comprising at least a first light incoupling area (321) configured at a first distance (d1) from the light exit window (330), and a second light incoupling area (322) configured at a second distance (d2) from the light exit window (330). The first light source (210) is configured to provide said first light source light (211) to the first light incoupling area (321), wherein the second light source (220) is configured to provide said second light source light (221) to the second light incoupling area (322), wherein the first distance (d1) is unequal to the second distance (d2). The lighting device further comprises a control unit (500) arranged for controlling the color temperature of the lighting device light by independently controlling the plurality (m) of light sources (200) dependent on the distance of each light source from the light exit window (330).

Classifications:

International (IPC 8-9): F21K2/00 F21V23/00 F21V8/00 F21V9/00
F21V9/16 H01L33/58 H05B33/08 (Advanced/Invention)

CPC: H05B33/0845 G02B6/0055 H05B33/0842 G02B6/0068 G02B6/0003
F21K2/00 F21V9/00 H01L33/60

**Family:**

Publication number	Publication date	Application number	Application date
■ CN107110432 A	20170829	CN201580054447	20151001
■ EP3204685 A1	20170816	EP20150771615	20151001
■ IN201747015716 A	20170512	IN201747015716	20170504
■ JP2017531293 T2	20171019	JP20170518317T	20151001
■ RU2017115418 A	20181113	RU20170115418	20151001
■ RU2017115418 A3	20190403	RU20170115418	20151001
■ RU2690174 C2	20190531	RU20170115418	20151001
■ US2017307807 AA	20171026	US20150516739	20151001
■ WO16055352 A1	20160414	WO2015EP72705	20151001

Priority:

EP20140187893 20141007 RU20170115418 20150001 WO2015EP72705 20151001
RU20170115418 20151001

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS LIGHTING HOLDING BV

Assignee(s): FILIPS LAJTING KholdIng BV ; PHILIPS KONINKLL NV

Inventor(s): (std): VAN BOMMEL TIES ; HIKMET RIFAT ATA MUSTAFA

Inventor(s): VAN BOMMEL TIS ; KHIKMET RIFAT ATA MUSTAFA

Agent(s): MALLENS ERIK PETRUS JOHANNES; YURIDICHESKAYA GORODISSKIJ I PARTNERY OOO FA; VERWEIJ P D 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)

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Patent	Date recorded	Event group	Code	Event	Details
CN107110432 A	20170829	LSPB	+	published / reissued	
CN107110432 A	20170829	LSPB	PB01	PUBLICATION	
EP3204685 A1	20170816	LSPB	+	published / reissued	
EP3204685 A1	20170816	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170508

EP3204685 A1	20180425	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20180327
EP3204685 A1	20181212	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : PHILIPS LIGHTING HOLDING B.V.
EP3204685 A1	20190313	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : SIGNIFY HOLDING B.V.
IN201747015716 A	20170512	LSPB	+	published / reissued	
JP2017531293 T2	20171019	LSPB	+	published / reissued	
JP2017531293 T2	20180928	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20180928
JP2017531293 T2	20180928	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20180928
RU2017115418 A	20181113	LSPB	+	published / reissued	
RU2690174 C2	20190531	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2690174 C2	20351001	PEXP		Calculated Patent Term Expiry	
US2017307807 AA	20171026	LSPB	+	published / reissued	
US2017307807 AA	20170404	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KONINKLIJKE PHILIPS N.V., NETHERLANDS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:VAN BOMMEL, TIES; HIKMET, RIFAT ATA MUSTAFA; SIGNING DATES FROM 20151002 TO 20170104; REEL/FRAME:041842/0023
WO16055352 A1	20160414	LSPB	+	published / reissued	
WO16055352 A1	20170222	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2015771615 COUNTRY OF REF DOCUMENT : EP
WO16055352 A1	20170404	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15516739 COUNTRY OF REF DOCUMENT : US
WO16055352 A1	20170405	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017518317 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16055352 A1	20170407	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16055352 A1	20170510	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017115418 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

Title: Process and device for hydroconversion of hydrocarbons

Abstract: The hydrotreatment of hydrocarbons in the liquid phase is effected in a column containing a catalyst fixed or moving bed supported by a grid, wherethrough passes an ascending stream of the charge admixed with hydrogen. The perforations of the grid are small enough to prevent passage of the catalyst particles but large enough for giving passage to the hydrogen-charge mixture. The reaction effluent is withdrawn from the top of the column.

Classifications:

International (IPC 8-9): B01J8/12 C10G11/00 C10G49/00
C10G49/14 (Advanced/Invention);
B01J8/08 C10G11/00 C10G49/00 (Core/Invention)

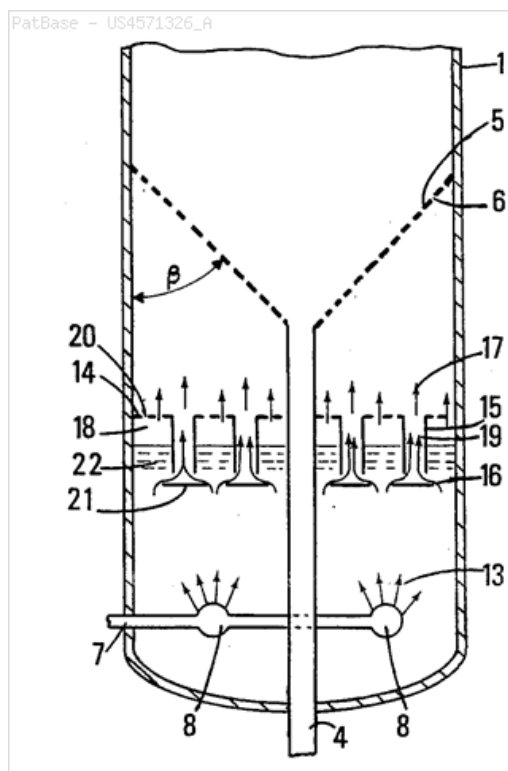
International (IPC 1-7): B01J8/02 B01J8/08 B01J8/12 B01J8/22

C10G11/02 C10G45/14 C10G49/00 C10G49/10 C10G49/14 F28D21/00

CPC: B01J8/12 C10G49/002 C10G49/14

European: B01J8/12 C10G49/00B C10G49/14

US: 261/122 261/122.1 422/207 422/216 422/220 422/311



Family:

Publication number	Publication date	Application number	Application date
DE3362031 D1	19860313	DE19833362031	19830919
EP0107986 A1	19840509	EP19830401818	19830919
EP0107986 B1	19860129	EP19830401818	19830919
FR2533937 A1	19840406	FR19820016597	19821004
FR2533937 B1	19851011	FR19820016597	19821004
JP59086692 A2	19840518	JP19830186649	19831004
US4571326 A	19860218	US19830539029	19831004

Priority:

FR19820016597 19821004

Probable Assignee: IFP ENERGIES NOUVELLES

Assignee(s): (std): IFP ENERGIES NOUVELLES ; INST FRANCAIS DU PETROL ; INST FRANCAIS DU PETROLE

Assignee(s): FRANCAIS DU PETROLE INST ; INSTITUT FRANCAIS PETROLE ; INSTITUT FRANCAIS DU PETROLE ; INST FR
DU PETROLE DES CARBURANTS ET LUBRIFIANTS

Inventor(s): (std): JIERAARU KURUTOUZU ; PIEERU RUNAARU ; RENARD PIERRE ; COURTEHEUSE GERARD ; BISCHOFF DIDIER ; DEIDEIE BISHIYOFU

Inventor(s): DIDIER BISCHOFF GERARD COURTEHEUSE ET PIERRE ; DIDIER BISCHOFF GERARD COURTEHEUSE ET PIERRE RENAR

Designated states: BE DE GB IT NL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE3362031 D1	19870219	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3362031 D1	19890907	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0107986 A1	19840509	LSPB	+	published / reissued	
EP0107986 A1	19841128	LSES	+17P	REQUEST FOR	EFFECTIVE DATE : 19840917

EXAMINATION FILED					
EP0107986 B1	19860129	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0107986 B1	19870114	LSGT	+26N	NO OPPOSITION FILED	
EP0107986 B1	19870930	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 19870930 YEAR OF FEE PAYMENT : 5
EP0107986 B1	19880919	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19880919
EP0107986 B1	19880930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19880930
EP0107986 B1	19890331	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : INSTITUT FRANCAIS DU PETROLE EFFECTIVE DATE : 19880930
EP0107986 B1	19890401	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL LAPSED DATE : 19890401
EP0107986 B1	19890516	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP
EP0107986 B1	19890601	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP
EP0107986 B1	19890601	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE LAPSED DATE : 19890601
FR2533937 A1	19840406	LSPB	+	published / reissued	
FR2533937 B1	19851011	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2533937 B1	19890825	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2533937 B1	20021004	PEXP		Calculated Patent Term Expiry	
JP59086692 A2	19840518	LSPB	+	published / reissued	
US4571326 A	19860218	LSGT	+	granted / extensions (spc, cpc, pte)	
US4571326 A	19850927	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INSTITUT FRANCAIS DU PETROLE, RUEIL-MALMAISON, FRA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:BISCHOFF, DIDIER; COURTEHEUSE, GERARD; RENARD, PIERRE; REEL/FRAME:004459/0828 EFFECTIVE DATE : 19830824
US4571326 A	19900218	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4571326 A	19900218	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4571326 A	19900218	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4571326 A	19900619	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY	EFFECTIVE DATE : 19900218

Title: SEALING GLASS COMPOSITIONS CONTAINING CALCINED ZIRCONIA VANADIA SILICA STAIN

Abstract: Novel compositions of matter consisting of thermally crystallizable lead borosilicate and lead-zinc-borate sealing glasses having homogeneously blended therein a calcined zirconia vanadia silica stain. 4 Claims, 2 Drawing Figures

Classifications:

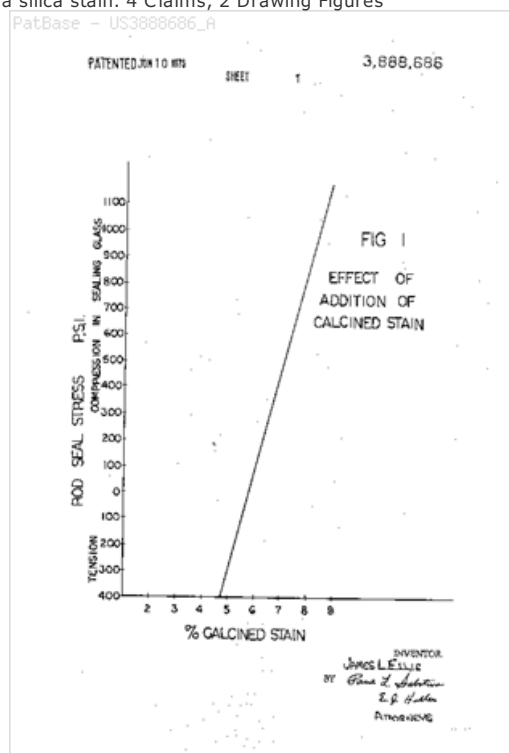
International (ipc 8-9): C03C10/00 C03C8/24 (Advanced/Invention); C03C10/00 C03C8/00 (Core/Invention)

International (ipc 1-7): B32B17/06 C03C3/10 C03C3/22 C03C3/30

CPC: C03C8/245 C03C10/0054

European: C03C10/00K C03C8/24B

US: 106/53 428/426 428/427 428/428 428/432 428/433 501/15 501/52 501/76



Family:

Publication number	Publication date	Application number	Application date
JP48035681 B4	19731030	JP19700049436	19700609
US3888686 A	19750610	US19720277457	19720619
US3922471 A	19751125	US19740456682	19740401

Priority:

US19690831648 19690606 US19720277457 19720619 US19740456682 19740401

Probable Assignee: OWENS ILLINOIS TELEVISION PRODUCTS INC

Assignee(s): (std): OWENS ILLINOIS INC

Assignee(s): OWENS ILLINOIS TELEVISION PRODUCTS INC

Inventor(s): (std): ELLIS JAMES L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP48035681 B4	19731030	LSPB	+	published / reissued	
US3888686 A	19750610	LSGT	+	granted / extensions (spc, cpc, pte)	
US3888686 A	19870609	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : OWENS-ILLINOIS TELEVISION PRODUCTS INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:OWENS-ILLINOIS, INC., A CORP. OF OHIO; REEL/FRAME:004772/0648 EFFECTIVE DATE : 19870323
US3888686 A	19870609	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : OWENS-ILLINOIS TELEVISION PRODUCTS INC., SEAGATE, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:OWENS-ILLINOIS, INC., A CORP. OF OHIO; REEL/FRAME:004772/0648 EFFECTIVE DATE : 19870323

US3922471 A	19751125	LSGT	+	granted / extensions (spc, cpc, pte)	
US3922471 A	19870609	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : OWENS-ILLINOIS TELEVISION PRODUCTS INC.,OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:OWENS-ILLINOIS, INC., A CORP. OF OHIO; REEL/FRAME:004772/0648 EFFECTIVE DATE : 19870323
US3922471 A	19870609	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : OWENS-ILLINOIS TELEVISION PRODUCTS INC., SEAGATE, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:OWENS-ILLINOIS, INC., A CORP. OF OHIO; REEL/FRAME:004772/0648 EFFECTIVE DATE : 19870323

Title: Production technology of synchronous **grain pressing** making flour board

Abstract: A technology for making floor boards by synchronously patterning and pressing includes such steps as locating decorative paper on density board, die pressing, laying aside for 5-15 days, and milling tongues and grooves.

Classifications:

International (IPC 8-9): B44C5/00 (Advanced/Invention);

B44C5/00 (Core/Invention)

International (IPC 1-7): B44C5/00 E04F15/02

Family:

Publication number	Publication date	Application number	Application date
 CN1686719 A	20051026	CN200510075234	20050609

Priority:

CN200510075234 20050609

Probable Assignee:

LI WEI

Assignee(s): (std):

LI WEI

Inventor(s): (std):

LI WEI

Inventor(s):

WEI LI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN1686719 A	20051026	LSPB	+	published / reissued	
CN1686719 A	20051026	LSPB	+C06	PUBLICATION	
CN1686719 A	20090617	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	