

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC2017/0003994				
CRITERIOS PARA LA BÚSQUEDA				
PALABRAS CLAVE UTILIZADAS		RNA AND replicati* Nucleoside AND virus RIBOSCIENCE LLC		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: A61K31/52; A61K31/708		
		CPC:		
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/ Autor**	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
SIPI	NC2016/0001536	31/agosto/2016	1-17	P
EPO	US2003/0236216 A1	25/diciembre/2003	1-19	X, Y
	US20070042988 A1	22/febrero/2007	1-19	X, Y
USPTO	WO2013096679 A1	27/junio/2013	1-19	Y
	WO2014070771	8/mayo/2014	1-19	Y
PATBASE	US2010016251A	21/enero/2010	1-19	Y
EPOQUENET	US2003/0236216 A1	25/diciembre/2003	1-19	X, Y
*** Categorías especiales de documentos citados:				
“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.		“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.		
Literatura no patente				
Fecha del reporte de búsqueda:		11/mayo/2018		

Puede utilizar los símbolos comodín (*) y (?) para ampliar su búsqueda, y las comillas para buscar frases, como ejemplo "Productos lácteos".
Se pueden utilizar los operadores booleanos AND, OR, NOT, asteriscos y comillas en su consulta de búsqueda.

⊖ Criterio de búsqueda

Palabra clave/Número de expediente			
	Puede utilizar los símbolos comodines (*) y (?), para obtener una coincidencia exacta para buscar una frase, por ejemplo "Productos lácteos". Se pueden utilizar los operadores booleanos AND, OR, NOT, asteriscos y comillas en su consulta de búsqueda.		
Número de expediente			
Número de Concesión / Certificado			
Título			
Fecha de presentación	desde	hasta	Número de prioridad
Fecha de orden de publicación	desde	hasta	Fecha de prioridad desde hasta
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Fecha de Vencimiento para Anualidad	desde	hasta	Vigencia desde hasta
Fecha de publicación	desde	hasta	Fecha de entrada en fase nacional desde hasta
Estado(s)	Seleccionar		
Sector Tecnológico			
		Clasificación IPC	Seleccionar
		Texto IPC	
Cerrar			

Solicitante/Titular de la patente	<table border="1"> <thead> <tr> <th>Número de identificación</th> <th>Nombre(s)</th> <th>Apellido(s)</th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>RIBOSCIENCE LLC</td> <td></td> <td>Suprimir</td> </tr> <tr> <td>688818</td> <td>RIBOSCIENCE LLC</td> <td></td> <td>Suprimir</td> </tr> </tbody> </table>	Número de identificación	Nombre(s)	Apellido(s)		0	RIBOSCIENCE LLC		Suprimir	688818	RIBOSCIENCE LLC		Suprimir	Apoderado	Buscar
Número de identificación	Nombre(s)	Apellido(s)													
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688818	RIBOSCIENCE LLC		Suprimir												
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Contacto de la solicitud	Buscar	Inventor	Buscar												
Referencia															
Número de solicitud internacional PCT		Fecha de Solicitud Internacional PCT	desde hasta												
Número de Publicación Internacional PCT		Fecha de Publicación Internacional	Seleccione el rango de fechas para el Gaceta de Propiedad Industrial 10 caracteres como máximo												
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9 Casos asociados

Expediente No.	Título	Figura Característica	Fecha de presentación	Estado(s)	Titular
05048708	DERIVADOS NUCLEOSIDOS CON ACCION SOBRE EL VIRUS DE LA HEPATITIS C, SU PROCEDIMIENTO DE SINTESIS Y COMPOSICIONES QUE LOS CONTIENEN		16 may 2005	Concedido	RIBOSCIENCE LLC
13281371	COMPUESTOS DERIVADOS DE [(2-AZIDO-5-PRIMIDIN)-(4- FOSFORILAMINO)]-TETRAHIDROFURAN ÚTILES PARA TRATAR LA FIEBRE DEL DENGUE		29 nov 2013	Concedido	RIBOSCIENCE LLC
14106193	DERIVADOS NUCLEÓSIDOS CON SUSTITUCIÓN 2'-4'-DIFLUORO-2'-METILO COMO INHIBIDORES DE LA REPLICACIÓN DEL ARN DEL VCH		16 may 2014	Concedido	RIBOSCIENCE LLC
14133951	DERIVADOS DE LOS NUCLEÓSIDOS SUSTITUIDOS EN 4'-AZIDO, 3'-FLUORO COMO INHIBIDORES DE LA REPLICACIÓN DEL RNA DEL VHC		20 jun 2014	Bajo Examen de Fondo	RIBOSCIENCE LLC
15280495	DERIVADOS DE NUCLEÓSIDO 4'-FLUORO-2'-METILO SUSTITUIDO, COMO INHIBIDORES DE LA REPLICACIÓN DEL ARN DEL VIRUS DE LA HEPATITIS C (HCV) SUBGENÓMICO Y COMPOSICIONES FARMACÉUTICAS QUE CONTIENEN TALES COMPUESTOS		16 dic 2015	Requerimiento de Examen de Fondo	RIBOSCIENCE LLC

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Number: Search examples: EP1612402, US2006000447A1, JP20090214944

WO2015US52144

CCD Viewer Export Inspector: classifications and fields searched

#	CC	Cat.	Citation details	Claims
1	CL		Application N° CL20170000707 (CL20170000707) - 24 March 2017	
2	PH		Application N° PH20171500558 (PH12017500558) - 24 March 2017	
3	MX		Application N° MX20170003788 (MX20170003788) - 25 September 2015	
4	JP		Application N° JP20170516420 (JP2017516420) - 25 September 2015	
5	EA		Application N° EA20170090632 (EA201790632) - 25 September 2015	
6	CR		Application N° CR20170000157 (CR20170157) - 25 September 2015	
7	CN		Application N° CN2015855281 (CN201580055281.3) - 25 September 2015	
8	PE		Application N° PE20170000521 (PE2017000521) - 25 September 2015	
9	KR		Application N° KR20177011174 (KR1020177011174) - 25 September 2015	
10	SG		Application N° SG20171102430W (SG11201702430W) - 25 September 2015	
11	AU		Application N° AU20150320511 (AU2015320511) - 25 September 2015	
12	CA		Application N° CA20152962770 (CA2962770) - 25 September 2015	
13	US		Application N° US201514865135 (US14865135) - 25 September 2015	
14	WO		Application N° WO2015US52144 (WOUS2015/052144) - 25 September 2015	

Simple families: 1 Total family members: 15

Classifications

CL
 IPC A61K31/52, A61K31/708
 CPC C07H19/067, C07H19/10, C07H19/11, C07H19/167, C07H19/20, C07H19/213, C07H19/207

PH
 IPC A61K31/52, A61K31/708
 CPC C07H19/067, C07H19/10, C07H19/11, C07H19/167, C07H19/20, C07H19/213, C07H19/207

MX
 IPC A61K31/52, A61K31/708
 CPC C07H19/067, C07H19/10, C07H19/11, C07H19/167, C07H19/20, C07H19/213, C07H19/207

JP
 IPC C07H19/10, A61K31/7125, A61P31/12, A61P43/00, C07H19/11, C07H19/20
 CPC C07H19/067, C07H19/10, C07H19/11, C07H19/167, C07H19/20, C07H19/213, C07H19/207

EA
 IPC A61K31/52, A61K31/708
 CPC C07H19/067, C07H19/10, C07H19/11, C07H19/167, C07H19/20, C07H19/213, C07H19/207


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Results: 12

Search history

Search 1: [Chemical Explorer]: Selected structures (50) (Results 12)

Title: NUCLEOSIDE PHOSPHORAMIDATE PRODRUGS**Abstract:** Disclosed herein are phosphoramidate prodrugs of nucleoside derivatives for the treatment of viral infections in mammals, which

is a compound, its stereoisomer, salt (acid or basic addition salt), hydrate, solvate, or crystalline form thereof, represented by the following structure: Also disclosed are methods of treatment, uses, and processes for preparing each of which utilize the compound represented by formula I.

Classifications:

International (IPC 8-9): [A01N43/04](#) [A23L1/00](#) [A61K](#) [A61K31/4709](#) [A61K31/513](#) [A61K31/664](#) [A61K31/675](#) [A61K31/70](#) [A61K31/706](#) [A61K31/7064](#) [A61K31/7068](#) [A61K31/7072](#) [A61K31/7076](#) [A61K31/7125](#) [A61K45/00](#) [A61K45/06](#) [A61K47/50](#) [A61P](#) [A61P31/00](#) [A61P31/12](#) [A61P31/14](#) [A61P31/16](#) [A61P31/18](#) [A61P31/20](#) [A61P43/00](#) [C07D](#) [C07D417/14](#) [C07F9/547](#) [C07F9/6561](#) [C07H](#) [C07H1/00](#) [C07H17/02](#) [C07H19/04](#) [C07H19/06](#) [C07H19/073](#) [C07H19/10](#) [C07H19/14](#) [C07H19/16](#) [C07H19/173](#) [C07H19/20](#) [C07H19/207](#) [C07K1/00](#) [C07K19/06](#) [C07K19/20](#) (Advanced/Invention); [A61K31/706](#) [A61K31/7064](#) [A61K31/7068](#) [A61K31/7076](#) [A61P31/12](#) [C07H19/04](#) [C07H19/06](#) [C07H19/073](#) [C07H19/16](#) [C07H19/20](#) (Advanced/Non-invention); [A61K31/00](#) [A61K31/7042](#) [A61K31/706](#) [A61K31/7064](#) [A61P31/00](#) [C07H19/00](#) (Core/Invention); [A61K](#) [A61P](#) [C07H](#) (Subclass/Invention)

International (IPC 1-7): [A61K31/7042](#) [A61P31/12](#) [C07H19/10](#) [C07H19/20](#) [C07H21/04](#)

CPC: [A61K45/06](#) [C07H17/02](#) [C07H19/10](#) [A61K31/706](#) [C07H19/04](#) [C07H19/20](#) [A61K31/7068](#) [C07H19/073](#) [A61K31/7072](#) [C07D417/14](#) [A61K31/7064](#) [A61K31/7076](#) [C07H19/06](#) [Y02A50/463](#)

European: [A61K31/706](#) [A61K31/7064](#) [A61K31/7076](#) [C07H19/04](#) [C07H19/06](#) [C07H19/10](#) [C07H19/20](#)

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Family:

Publication number	Publication date	Application number	Application date
AR066898 AA	20090923	AR2008P101286	20080328
AU2008232827 AA	20081009	AU20080232827	20080326
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AU2017261454 AA	20171130	AU20170261454	20171113
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BRPI0823519 A2	20151027	BR2008PI23519	20080326
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CO6260023 A2	20110322	CO20090120744	20091027
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DE602008032398 D1	20140703	DE200860032398T	20080326
DK2203462 T3	20140811	DK20080732818T	20080326
EP2203462 A2	20100707	EP20080732818	20080326
EP2203462 B1	20140521	EP20080732818	20080326
EP2792680 A1	20141022	EP20140151876	20080326
EP2801580 A1	20141112	EP20140169060	20080326
EP2824109 A1	20150114	EP20140179593	20080326
EP2826784 A1	20150121	EP20140179358	20080326
EP2933260 A1	20151021	EP20150165114	20080326
ES2492470 T3	20140909	ES20080732818T	20080326
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HK1206034 A1	20151231	HK20150106529	20150708
HR20140667 T1	20141010	HR20140000667	20140714
HU1400059 I1	20170728	HU20140000059	20141118
IL201239 A0	20100531	IL20090201239	20090929
IL201239 A1	20130324	IL20080201239	20080326
IL217228 A0	20120131	IL20110217228	20111227
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IL222810 A0	20121231	IL20080222810	20080326
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IN03658KN2009 A	20100319	IN2009KN03658	20091020
JP2010532747 T2	20101014	JP20100502196T	20080326
JP2012121903 A2	20120628	JP20120032352	20120217
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KR20120034801 A	20120412	KR20127004146	20080326
KR20150008929 A	20150123	KR20147036573	20080326
LT2203462 I2	20161212	LT2014PA00040	20141121
LU92600 I2	20151124	LU20140092600	20141119
MX2009010401 A1	20091110	MX20090010401	20080326
MY147409 A	20121130	MY20090004079	20080326
NL300704 I1	20151229	NL20140300704	20141119
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PH2014502771 A	20151026	PH20140502771	20141210
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RU2009139968 A	20110510	RU20090139968	20080326
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JP20170000051	20170104	US20170411506	20170120	AU20170261454	20171113

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; NAGARATHANAM DHANAPALAN ; NAGARATHNAM ; DU JINFA NEW HOPE ;
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AR066898 AA	20090923	LSPB	+	published / reissued	
AU2008232827 AA	20081009	LSPB	+	published / reissued	
AU2008232827 BB	20120816	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2008232827 BB	20121213	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2008232827 BB	20140904	LSGT	+NC	EXTENSION OF TERM REQUESTED FOR STANDARD PATENT (SECT. 70)	TEXT : PRODUCT NAME: SOVALDI SOFOSBUVIR FILING DATE : 20140630
AU2008232827 BB	20150115	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 14 NOV 2014 .
AU2008232827 BB	20280326	PEXP		Calculated Patent Term Expiry	
AU2008232827 CA	20150409	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 14 NOV 2014
AU2008232827 CA	20150827	LSGT	+NDB	EXTENSION OF TERM FOR STANDARD PATENT GRANTED (SECT.76)	TEXT : PRODUCT NAME: SOVALDI SOFOSBUVIR FILING DATE : 20140630 EXTENSION DATE : 20280326
AU2012241173 AA	20121108	LSPB	+	published / reissued	
AU2012241173 BB	20140925	LSGT	+	granted / extensions (spc, cpc, pte)	

AU2012241173 BB	20150122	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012241173 BB	20150430	LSGT	+NC	EXTENSION OF TERM REQUESTED FOR STANDARD PATENT (SECT. 70)	TEXT : PRODUCT NAME: SOVALDI SOFOSBUVIR FILING DATE : 20140630
AU2012241173 BB	20151217	LSGT	+NDB	EXTENSION OF TERM FOR STANDARD PATENT GRANTED (SECT.76)	TEXT : PRODUCT NAME: SOVALDI SOFOSBUVIR FILING DATE : 20140630 EXTENSION DATE : 20290630
AU2012241173 BB	20290630	PEXP		Calculated Patent Term Expiry	
AU2014215983 AA	20140911	LSPB	+	published / reissued	
AU2014215983 AA	20160908	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014215983 BB	20160512	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014215983 BB	20340821	PEXP		Calculated Patent Term Expiry	
AU2014233579 AA	20141016	LSPB	+	published / reissued	
AU2014233579 BB	20160623	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014233579 BB	20161020	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014233579 BB	20340924	PEXP		Calculated Patent Term Expiry	
AU2016213882 AA	20160901	LSPB	+	published / reissued	
AU2016213882 AA	20171214	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
AU2016231535 AA	20161013	LSPB	+	published / reissued	
AU2017261454 AA	20171130	LSPB	+	published / reissued	
BRPI0809654 A2	20160119	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC (US)
BRPI0809654 A2	20160210	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC (US)
BRPI0809654 A2	20160614	LSSES	B65X	NOTIFICATION OF REQUIREMENT FOR PRIORITY EXAMINATION OF PATENT APPLICATION	
BRPI0809654 A2	20160726	LSSES	+B65Y	GRANT OF PRIORITY EXAMINATION OF THE	

				PATENT APPLICATION (REQUEST COMPLIES WITH DEC. 132/06 OF 20061117)	
BRPI0809654 A2	20161018	LSES	B07D	TECHNICAL EXAMINATION (OPINION) RELATED TO ARTICLE 229 OF INDUSTRIAL PROPERTY LAW	
BRPI0809654 A2	20171031	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0823519 A2	20151027	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BRPI0823519 A2	20160112	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC (US)
BRPI0823519 A2	20160202	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC (US)
BRPI0823519 A2	20160614	LSES	B65X	NOTIFICATION OF REQUIREMENT FOR PRIORITY EXAMINATION OF PATENT APPLICATION	
BRPI0823519 A2	20160726	LSES	+B65Y	GRANT OF PRIORITY EXAMINATION OF THE PATENT APPLICATION (REQUEST COMPLIES WITH DEC. 132/06 OF 20061117)	
BRPI0823519 A2	20161018	LSES	B07D	TECHNICAL EXAMINATION (OPINION) RELATED TO ARTICLE 229 OF INDUSTRIAL PROPERTY LAW	
BRPI0823519 A2	20171031	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0823519 A2	20180320	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	

BRPI0823519 A2	20180410	LSES	B07C	TECHNICAL EXAMINATION (OPINION): REPUBLICATION	
CA2682230 AA	20081009	LSPB	+	published / reissued	
CA2682230 AA	20121206	LSES	+EEER	EXAMINATION REQUEST	
CA2682230 AA	20121231	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20121206
CA2682230 C	20140422	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2682230 C	20280326	PEXP		Calculated Patent Term Expiry	
CL2008000902 A1	20081107	LSPB	+	published / reissued	
CL49840 B	20081106	LSGT	+	granted / extensions (spc, cpc, pte)	
CL49840 B	20280328	PEXP		Calculated Patent Term Expiry	
CN101918425 A	20101215	LSPB	+	published / reissued	
CN101918425 A	20101215	LSPB	+C06	PUBLICATION	
CN101918425 A	20120926	LSRE	C53	CORRECTION OF PATENT FOR INVENTION OR PATENT APPLICATION	
CN101918425 A	20120926	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	TEXT : CORRECT: APPLICANT; FROM: PHARMASSET LTD. TO: GILEAD PHARMACEUTICALS LTD.
CN104402955 A	20150311	LSPB	+	published / reissued	
CN104402955 A	20150311	LSPB	+C06	PUBLICATION	
CO6260023 A2	20110322	LSPB	+	published / reissued	
CO6260023 A2	20130401	LSGT	+FG	APPLICATION GRANTED	
CY1115488 T1	20170104	LSGT	+	granted / extensions (spc, cpc, pte)	
CY1115488 T1	20340814	PEXP		Calculated Patent Term Expiry	
DE202008018643 U1	20170427	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202008018643 U1	20170411	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	
DE202008018643 U1	20170427	LSGT	R207	UTILITY MODEL SPECIFICATION	
DE202008018643 U1	20180331	LSLE	-R071	EXPIRY OF RIGHT	
DE202008018643 U1	20180326	PEXP		Calculated Patent Term Expiry	
DK2203462 T3	20140811	LSGT	+	granted / extensions (spc, cpc, pte)	

DK2203462 T3	20280326	PEXP		Calculated Patent Term Expiry	
EP2203462 A2	20100707	LSPB	+	published / reissued	
EP2203462 A2	20100707	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090925
EP2203462 A2	20121107	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC
EP2203462 A2	20130116	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC
EP2203462 A2	20131204	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20131105
EP2203462 A2	20140416	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/7064 20060101AFI20140311BHEP
EP2203462 A2	20140416	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/7076 20060101ALI20140311BHEP
EP2203462 A2	20140423	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20140402
EP2203462 A2	20141128	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE: SWISSMEDIC 63218 18.03.2014 FILING DATE : 20141117
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160326 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20160301 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160321

					YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20160304 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160303 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20160303 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160329 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20160301 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 9

EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160329 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160325 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160329 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160304 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160325 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160303 YEAR OF FEE PAYMENT : 9

EP2203462 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160323 YEAR OF FEE PAYMENT : 9
EP2203462 A2	20161230	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MT PAYMENT DATE : 20150516 YEAR OF FEE PAYMENT : 8
EP2203462 B1	20140521	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2203462 B1	20140521	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2203462 B1	20140530	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2203462 B1	20140615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 669245 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20140615
EP2203462 B1	20140618	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2203462 B1	20140703	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602008032398 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140703

EP2203462 B1	20140815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2203462 B1	20140909	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2492470 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20140909
EP2203462 B1	20140910	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2203462 B1	20141020	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20140521
EP2203462 B1	20141023	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20140401649 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20140930
EP2203462 B1	20141118	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FI REF LEGAL EVENT CODE : SPCF SUPPLEMENTARY PROTECTION CERTIFICATE : C20140055
EP2203462 B1	20141119	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CP TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE: EU/1/13/894/001-002 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE : 14C0082 FILING DATE : 20141119
EP2203462 B1	20141128	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE: SWISSMEDIC 63218 18.03.2014 FILING DATE : 20141117

EP2203462 B1	20141201	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); NAT. REG. NO/DATE: EU/1/13/894 20140116; FIRST REG. NO/DATE: (001-002) 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 2014029 FILING DATE : 20141118
EP2203462 B1	20141203	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : KC1 TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); REGISTRATION NO/DATE: EU/1/13/894/001-002 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE : C300704 FILING DATE : 20141119 EXTENSION DATE : 20290116
EP2203462 B1	20141215	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : AA1Y REF DOCUMENT NUMBER : E009435 COUNTRY OF REF DOCUMENT : EE TEXT : PRODUCT NAME: SOFOSBUVIR; REG NO/DATE: EU/1/13/894 17.01.2014 SUPPLEMENTARY PROTECTION CERTIFICATE : C20140035 FILING DATE : 20141119
EP2203462 B1	20141216	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: SOFOSBUVIR; REG. NO/DATE: EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 1490066-6
EP2203462 B1	20141217	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); REGISTERED: UK EU/1/13/894 - 001 20140117; UK EU/1/13/894 - 002 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE :

					SPC/GB14/078 FILING DATE : 20141118
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EP2203462 B1	20141226	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CP TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); REGISTRATION NO/DATE: EU/1/13/894/001-002 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 14C0082 FILING DATE : 20141119
EP2203462 B1	20141229	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AA1S TEXT : PRODUCT NAME: SOFASBUVIR (SOVALDI); REG. NO/DATE: EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : S1400059 FILING DATE : 20141118
EP2203462 B1	20141229	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: SOFOSBUVIRUM; REGISTRATION NO/DATE: EU/1/13/894/001 - EU/1/13/894/002 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : PA2014040 FILING DATE : 20141121 EXPIRY DATE : 20280326
EP2203462 B1	20150105	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: SOFOSBUVIR; REG. NO/DATE: EU/1/13/894/001-002 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : CA 2014 00061 FILING DATE : 20141118 EXTENSION DATE :

					20290116 EXPIRY DATE : 20280326
EP2203462 B1	20150115	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R065 TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); NAT. REGISTRATION NO/DATE: EU /1/13/894 20140116; FIRST REGISTRATION: EU EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 122014000108 FILING DATE : 20141119 EXPIRY DATE : 20280327 EFFECTIVE DATE : 20141210
EP2203462 B1	20150115	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R065 REF DOCUMENT NUMBER : 602008032398 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); NAT. REGISTRATION NO/DATE: EU /1/13/894 20140116; FIRST REGISTRATION: EU EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 122014000108 FILING DATE : 20141119 EXTENSION DATE : 20290117 EXPIRY DATE : 20280327 EFFECTIVE DATE : 20141210
EP2203462 B1	20150128	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E021480 COUNTRY OF REF DOCUMENT : HU
EP2203462 B1	20150210	LSOP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R026 REF DOCUMENT NUMBER : 602008032398 COUNTRY OF REF DOCUMENT : DE
EP2203462 B1	20150303	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SK REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE: EU/1/13/894 20140116

					SUPPLEMENTARY PROTECTION CERTIFICATE : 5029-2014 FILING DATE : 20141120
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EP2203462 B1	20150318	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : MEDECINS DU MONDE EFFECTIVE DATE : 20150210
EP2203462 B1	20150325	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : FLEISCHER, HOLM HERBERT EFFECTIVE DATE : 20150219
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : ACTAVIS GROUP PTC EHF EFFECTIVE DATE : 20150223
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : PHARMACEUTICAL WORKS POLPHARMA EFFECTIVE DATE : 20150220
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : ZBM PATENTS - ZEA, BARLOCCI & MARKVARDSEN EFFECTIVE DATE : 20150223
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : TEVA PHARMACEUTICAL INDUSTRIES LTD EFFECTIVE DATE : 20150220
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : STADA ARZNEIMITTEL AG EFFECTIVE DATE : 20150223
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : INTELLECTUAL PROPERTY SERVICES (IPS) EFFECTIVE DATE : 20150223

EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : GENERICS (UK) LTD (TRADING AS MYLAN) EFFECTIVE DATE : 20150220
EP2203462 B1	20150401	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : ELLIS IP LTD EFFECTIVE DATE : 20150219
EP2203462 B1	20150423	LSOP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R026 REF DOCUMENT NUMBER : 602008032398 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20150210
EP2203462 B1	20150512	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: SOFOSBUVIR; REG. NO/DATE: EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 1490066-6 EXTENSION DATE : 20290115 EXPIRY DATE : 20280327
EP2203462 B1	20150615	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : FG1Y REF DOCUMENT NUMBER : E009435 COUNTRY OF REF DOCUMENT : EE TEXT : PRODUCT NAME: SOFOSBUVIR; REG NO/DATE: EU/1/13/894 17.01.2014 SUPPLEMENTARY PROTECTION CERTIFICATE : C20140035 00135 FILING DATE : 20141119 EXTENSION DATE : 20290117
EP2203462 B1	20151007	LSOP	-R26	OPPOSITION FILED (CORRECTION)	PARTYTYPE : OPPONENT OPPONENT : TEVA PHARMACEUTICAL INDUSTRIES LTD EFFECTIVE DATE : 20150220
EP2203462 B1	20151113	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CT TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE:

					EU/1/13/894/001-002 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE : 14C0082 FILING DATE : 20141119 EXTENSION DATE : 20290117
EP2203462 B1	20151124	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LU REF LEGAL EVENT CODE : CCP TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR). FIRST REGISTRATION: 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE : 92600 FILING DATE : 20141119 EXPIRY DATE : 20290117
EP2203462 B1	20160216	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: SOFOSBUVIR; REG. NO/DATE: EU/1/13/894 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE : 1490066-6 EXTENSION DATE : 20290116 EXPIRY DATE : 20280327
EP2203462 B1	20160301	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SK REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE: EU/1/13/894 20140117 SUPPLEMENTARY PROTECTION CERTIFICATE : 214 5029-2014 FILING DATE : 20141120 EXTENSION DATE : 20290117
EP2203462 B1	20160323	LSOP	-R26	OPPOSITION FILED (CORRECTION)	PARTYTYPE : OPPONENT OPPONENT : STADA ARZNEIMITTEL AG EFFECTIVE DATE : 20150223
EP2203462 B1	20160328	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2203462 B1	20160406	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME:

					SOVALDI (SOFOSBUVIR); REGISTRATION NO/DATE: EU/1/13/894/001- EU/1/13/894/002 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 2014/065 EXTENSION DATE : 20290116 EFFECTIVE DATE : 20160311
EP2203462 B1	20160921	LSOP	-R26	OPPOSITION FILED (CORRECTION)	PARTYTYPE : OPPONENT OPPONENT : FLEISCHER, HOLM HERBERT EFFECTIVE DATE : 20150219
EP2203462 B1	20161102	LSOP	-R26	OPPOSITION FILED (CORRECTION)	PARTYTYPE : OPPONENT OPPONENT : ACTAVIS GROUP PTC EHF EFFECTIVE DATE : 20150223
EP2203462 B1	20161130	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: SOFOSBUVIR; REGISTRATION NO/DATE: SWISSMEDIC 63218 18.03.2014 SUPPLEMENTARY PROTECTION CERTIFICATE : C02203462/01 FILING DATE : 20141117 EXTENSION DATE : 20290317
EP2203462 B1	20161212	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: SOFOSBUVIRAS; REGISTRATION NO/DATE: EU/1/13/894/001 - EU/1/13/894/002 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : PA2014040,C2203462 FILING DATE : 20141121 EXTENSION DATE : 20290117 EXPIRY DATE : 20280326
EP2203462 B1	20170208	LSOP	-R26	OPPOSITION FILED (CORRECTION)	PARTYTYPE : OPPONENT OPPONENT : I P S INTELLECTUAL PROPERTY SERVICES EFFECTIVE DATE : 20150223
EP2203462 B1	20170327	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : P1EP

					YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170326 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170308 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170330 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20170307 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170306 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20170302 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20170303 YEAR OF FEE PAYMENT : 10

EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170306 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20170302 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20170308 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170302 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170303 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170327 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170306 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170308 YEAR OF FEE PAYMENT : 10

EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170328 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170308 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170324 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170721	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R067 REF DOCUMENT NUMBER : 602008032398 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); NAT. REGISTRATION NO/DATE: EU /1/13/894 20140116; FIRST REGISTRATION: EU EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 122014000108 FILING DATE : 20141119 EXTENSION DATE : 20290117 EXPIRY DATE : 20280327
EP2203462 B1	20170728	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : FG4S REF DOCUMENT NUMBER : E021480 COUNTRY OF REF DOCUMENT : HU SUPPLEMENTARY PROTECTION CERTIFICATE : S1400059 FILING DATE : 20141118
EP2203462 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170329 YEAR OF FEE PAYMENT : 10

				FEES PAID TO NATIONAL OFFICE	DOCUMENT : CY PAYMENT DATE : 20170307 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170829	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R069 REF DOCUMENT NUMBER : 602008032398 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: SOVALDI (SOFOSBUVIR); NAT. REGISTRATION NO/DATE: EU /1/13/894 20140116; FIRST REGISTRATION: EU EU/1/13/894 20140116 SUPPLEMENTARY PROTECTION CERTIFICATE : 122014000108 FILING DATE : 20141119 EXTENSION DATE : 20290117 EXPIRY DATE : 20280327
EP2203462 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170328 YEAR OF FEE PAYMENT : 10
EP2203462 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MT PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 9
EP2203462 B1	20180326	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180326 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20180305 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180327 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20180326 YEAR OF FEE PAYMENT : 11

					YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20180327 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20180302 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20180313 YEAR OF FEE PAYMENT : 11
EP2203462 B1	20280326	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290116	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290116	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290116	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290116	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290117	PEXP		Calculated Patent Term Expiry	
EP2203462 B1	20290317	PEXP		Calculated Patent Term Expiry	
EP2792680 A1	20141022	LSPB	+	published / reissued	
EP2792680 A1	20141022	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140121
EP2792680 A1	20150602	LSSES	+17P	REQUEST FOR	EFFECTIVE DATE :

				EXAMINATION FILED (CORRECTION)	20150422
EP2792680 A1	20150805	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20150706
EP2792680 A1	20151014	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20150909
EP2801580 A1	20141112	LSPB	+	published / reissued	
EP2801580 A1	20141112	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140520
EP2801580 A1	20150624	LSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTION)	EFFECTIVE DATE : 20150512
EP2801580 A1	20150916	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20150813
EP2824109 A1	20150114	LSPB	+	published / reissued	
EP2824109 A1	20150114	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140801
EP2824109 A1	20150916	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20150813
EP2826784 A1	20150121	LSPB	+	published / reissued	
EP2826784 A1	20150121	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140731
EP2826784 A1	20160330	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160224
EP2933260 A1	20151021	LSPB	+	published / reissued	
EP2933260 A1	20161019	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20160422
ES2492470 T3	20140909	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2492470 T3	20280326	PEXP		Calculated Patent Term Expiry	
HK1206033 A1	20151231	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1206033 A1	20350708	PEXP		Calculated Patent Term Expiry	
HK1206034 A1	20151231	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1206034 A1	20350708	PEXP		Calculated Patent Term Expiry	
HR20140667 T1	20141010	LSPB	+	published / reissued	
IL201239 A1	20130324	LSPB	+	published / reissued	

IL201239 A1	20130731	LSGT	+FF	PATENT GRANTED	
IL201239 A1	20130930	LSFE	+KB	PATENT RENEWED	
IL201239 A1	20140331	LSFE	+KB	PATENT RENEWED	
IL201239 A1	20180329	LSFE	+KB	PATENT RENEWED	
IL217228 A1	20130829	LSPB	+	published / reissued	
IL217228 A1	20131231	LSGT	+FF	PATENT GRANTED	
IL217228 A1	20140227	LSFE	+KB	PATENT RENEWED	
IL217228 A1	20140331	LSFE	+KB	PATENT RENEWED	
IL217228 A1	20180329	LSFE	+KB	PATENT RENEWED	
IL222810 A0	20160421	LSGT	+FF	PATENT GRANTED	
IL222810 A0	20160531	LSFE	+KB	PATENT RENEWED	
IL222810 A1	20151231	LSPB	+	published / reissued	
IN03658KN2009 A	20100319	LSPB	+	published / reissued	
JP2010532747 T2	20101014	LSPB	+	published / reissued	
JP2010532747 T2	20110318	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20110317
JP2010532747 T2	20120217	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120216
JP2010532747 T2	20130227	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A132 EFFECTIVE DATE : 20130226
JP2010532747 T2	20130528	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130527
JP2010532747 T2	20130614	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2010532747 T2	20130626	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20130625
JP2010532747 T2	20130718	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20130709
JP2010532747 T2	20130719	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2012121903 A2	20120628	LSPB	+	published / reissued	

JP2014196305 A2	20141016	LSPB	+	published / reissued	
JP2014196305 A2	20150114	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150113
JP2014196305 A2	20150512	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150512
JP2014196305 A2	20150527	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2014196305 A2	20150603	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20150602
JP2014196305 A2	20150709	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20150701
JP2014196305 A2	20150710	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5774749 COUNTRY OF REF DOCUMENT : JP
JP2015024998 A2	20150205	LSPB	+	published / reissued	
JP2015024998 A2	20141210	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141209
JP2015024998 A2	20150114	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150113
JP2015024998 A2	20150916	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20150915
JP2016023187 A2	20160208	LSPB	+	published / reissued	
JP2016023187 A2	20160705	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160705
JP2016023187 A2	20170104	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170104
JP2016023187 A2	20170321	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02

					EFFECTIVE DATE : 20170321
JP2016023187 A2	20170721	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170721
JP2016023187 A2	20170801	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20170731
JP2016023187 A2	20170919	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A912 EFFECTIVE DATE : 20170915
JP2016023187 A2	20171116	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20171116
JP2017132754 A2	20170803	LSPB	+	published / reissued	
JP2017132754 A2	20170815	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20170815
JP2017132754 A2	20180214	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20180214
JP5318085 B2	20131016	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5318085 B2	20130627	LSGT	+A01	特許査定書 Decision of patent grant	
JP5318085 B2	20130716	LSFE	R100	特許料納付書 Patent fee payment form	
JP5318085 B2	20151001	LSGT	+A01	特許査定書 Decision of patent grant	
JP5318085 B2	20151007	LSGT	R153	特許存続期間延長登録通知書 Extended registration notice for patent duration	
JP5318085 B2	20151007	LSGT	+R153	GRANT OF PATENT TERM EXTENSION	TEXT : JAPANESE INTERMEDIATE CODE: R153
JP5318085 B2	20160707	LSFE	R20	特許料納付書 Patent fee payment form	
JP5318085 B2	20160712	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5318085 B2	20160929	LSGT	+A01	特許査定書 Decision of patent grant	

JP5318085 B2	20161005	LSGT	R153	特許存続期間延長登録通知書 Extended registration notice for patent duration	
JP5318085 B2	20161005	LSGT	+R153	GRANT OF PATENT TERM EXTENSION	TEXT : JAPANESE INTERMEDIATE CODE: R153
JP5318085 B2	20170713	LSFE	R20	特許料納付書 Patent fee payment form	
JP5318085 B2	20170718	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5318085 B2	20280326	PEXP		Calculated Patent Term Expiry	
JP5539419 B2	20140702	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5539419 B2	20130227	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130226
JP5539419 B2	20130528	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130527
JP5539419 B2	20131204	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20131203
JP5539419 B2	20140304	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140303
JP5539419 B2	20140318	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5539419 B2	20140402	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20140401
JP5539419 B2	20140403	LSGT	+A01	特許査定書 Decision of patent grant	
JP5539419 B2	20140502	LSFE	R100	特許料納付書 Patent fee payment form	
JP5539419 B2	20140509	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5539419 COUNTRY OF REF DOCUMENT : JP
JP5539419 B2	20140512	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE :

20140430					
JP5539419 B2	20170420	LSFE	R20	特許料納付書 Patent fee payment form	
JP5539419 B2	20170425	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5539419 B2	20320217	PEXP		Calculated Patent Term Expiry	
JP5774749 B2	20150909	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5774749 B2	20340430	PEXP		Calculated Patent Term Expiry	
KR101432860 B1	20140826	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101432860 B1	20111108	LSES	A201	REQUEST FOR EXAMINATION	
KR101432860 B1	20130712	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101432860 B1	20131219	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101432860 B1	20140708	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101432860 B1	20140814	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101432860 B1	20151209	LSGT	A101	APPLICATION TO EXTEND TERM OF PATENT RIGHT BY PERMIT	
KR101432860 B1	20170728	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170731 YEAR OF FEE PAYMENT : 4
KR101432860 B1	20280326	PEXP		Calculated Patent Term Expiry	
KR101525293 B1	20150603	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101525293 B1	20280326	PEXP		Calculated Patent Term Expiry	
KR101527701 B1	20150609	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101527701 B1	20280326	PEXP		Calculated Patent Term Expiry	
KR20100016041 A	20100212	LSPB	+	published / reissued	
KR20120034801 A	20120412	LSPB	+	published / reissued	
KR20120034801 A	20130218	LSES	A201	REQUEST FOR EXAMINATION	
KR20120034801 A	20130930	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20120034801 A	20140430	LSES	-E902	NOTIFICATION OF	

				REASON FOR REFUSAL	
KR20120034801 A	20141029	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20120034801 A	20150227	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20120034801 A	20150527	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR20150008929 A	20150123	LSPB	+	published / reissued	
KR20150008929 A	20141226	LSES	A201	REQUEST FOR EXAMINATION	
KR20150008929 A	20150304	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20150008929 A	20150603	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
MX2009010401 A1	20091110	LSPB	+	published / reissued	
MX2009010401 A1	20120306	LSGT	+FG	GRANT OR REGISTRATION	
MX2009010401 A1	20121115	LSAS	HC	CHANGE OF COMPANY NAME OR JURIDICAL STATUS	
MY147409 A	20121130	LSGT	+	granted / extensions (spc, cpc, pte)	
MY147409 A	20280326	PEXP		Calculated Patent Term Expiry	
NZ579880 A	20120525	LSPB	+	published / reissued	
NZ579880 A	20120928	LSGT	+PSEA	PATENT SEALED	
NZ579880 A	20121130	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ579880 A	20150327	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2016 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20150303
NZ579880 A	20160331	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2017 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20160301
NZ579880 A	20170331	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2018 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20170302
NZ579880 A	20180323	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2019 BY COMPUTER

					PACKAGES INC EFFECTIVE DATE : 20180302
NZ599206 A	20130830	LSPB	+	published / reissued	
NZ599206 A	20130426	LSRE	ERR	ERROR OR CORRECTION	TEXT : THE MISSING INVENTOR HAS BEEN ADDED (1287377, SOFIA, MICHAEL J; 1287378, DU, JINFA; 1287379, WANG, PEIYUAN; 1360659, NAGARATHNAM, DHANAPALAN) EFFECTIVE DATE : 20130423
NZ599206 A	20131220	LSGT	+PSEA	PATENT SEALED	
NZ599206 A	20140228	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 26 MAR 2015 BY AJ PARK EFFECTIVE DATE : 20140204
NZ599206 A	20150327	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2016 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20150303
NZ599206 A	20160331	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2017 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20160301
NZ599206 A	20170331	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2018 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20170302
NZ599206 A	20180323	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 26 MAR 2019 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20180302
PH2014502771 A	20151026	LSPB	+	published / reissued	
PT2203462 T	20140829	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2203462 T	20280326	PEXP		Calculated Patent Term Expiry	
RU2009139968 A	20110510	LSPB	+	published / reissued	
RU2012152811 A	20140620	LSPB	+	published / reissued	
RU2013153811 A	20160320	LSAC	U70A	CHANGING ADDRESS	

FOR CORRESPONDENCE WITH AN APPLICANT					
RU2478104 C2	20130327	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2478104 C2	20280326	PEXP		Calculated Patent Term Expiry	
RU2651892 C2	20180424	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2651892 C2	20280326	PEXP		Calculated Patent Term Expiry	
SG179445 A1	20120427	LSPB	+	published / reissued	
SG2014011704 A1	20140529	LSPB	+	published / reissued	
SI2203462 T1	20140930	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2203462 T1	20280326	PEXP		Calculated Patent Term Expiry	
TH152677 A	20160603	LSPB	+	published / reissued	
TW200904453 A	20090201	LSPB	+	published / reissued	
TWI357332 B	20120201	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI357332 B	20280328	PEXP		Calculated Patent Term Expiry	
US2010016251 AA	20100121	LSPB	+	published / reissued	
US2011257122 AA	20111020	LSPB	+	published / reissued	
US2011257122 AA	20120420	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:028081/0686 EFFECTIVE DATE : 20120210
US2013029929 AA	20130131	LSPB	+	published / reissued	
US2014045783 AA	20140213	LSPB	+	published / reissued	
US2014187511 AA	20140703	LSPB	+	published / reissued	
US2014187511 AA	20130905	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SOPIA, MICHAEL JOSEPH; DU, JINFU; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:031139/0548
US2014187511 AA	20130905	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:031157/0296 EFFECTIVE DATE : 20120210
US2014288020 AA	20140925	LSPB	+	published / reissued	
US2014288020 AA	20140728	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DU, JINFA; NAGARATHNAM, DHANAPALAN; SOFIA, MICHAEL JOSEPH; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:033404/0944
US2014288020 AA	20140728	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:033429/0375 EFFECTIVE DATE : 20120210
US2014315852 AA	20141023	LSPB	+	published / reissued	
US2014315852 AA	20140728	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DU, JINFA; NAGARATHNAM, DHANAPALAN; SOFIA, MICHAEL JOSEPH; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:033404/0944
US2014315852 AA	20140728	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:033429/0375 EFFECTIVE DATE : 20120210
US2015231166 AA	20150820	LSPB	+	published / reissued	

US2015231166 AA	20150407	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SOFIG, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:035351/0087
US2015231166 AA	20150407	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:035386/0358 EFFECTIVE DATE : 20120210
US2018000855 AA	20180104	LSPB	+	published / reissued	
US2018000855 AA	20171130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SOFIG, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:044268/0993
US2018000855 AA	20171130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:044591/0279 EFFECTIVE DATE : 20120210
US2018000855 AA	20180405	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US7964580 BB	20110621	LSGT	+	granted / extensions (spc, cpc, pte)	
US7964580 BB	20080401	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC.,NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SOFIG, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING

					DATES FROM 20080326 TO 20080331; REEL/FRAME:020739/0883
US7964580 BB	20080401	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SOPIA, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:020739/0883
US7964580 BB	20110601	LSGT	PAT1	Patented Case	
US7964580 BB	20120420	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:028081/0686 EFFECTIVE DATE : 20120210
US7964580 BB	20141222	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7964580 BB	20170425	LSRE	CC	CERTIFICATE OF CORRECTION	
US7964580 BB	20171205	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : INITIATIVE FOR MEDICINES,ACCESS KNOWLEDGE (I-MAK OLDPARTY : TRIAL NO: IPR2018-00119 EFFECTIVE DATE : 20171025
US7964580 BB	20171205	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : INITIATIVE FOR MEDICINES,ACCESS KNOWLEDGE (I-MAK OLDPARTY : TRIAL NO: IPR2018-00120 EFFECTIVE DATE : 20171025
US7964580 BB	20290326	PEXP		Calculated Patent Term Expiry (PTA 370 days)	
US8334270 BB	20121218	LSGT	+	granted / extensions (spc, cpc, pte)	
US8334270 BB	20121128	LSGT	PAT1	Patented Case	
US8334270 BB	20130115	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNORS: SOFIA, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME: 029631/0199
US8334270 BB	20160620	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8334270 BB	20171219	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : INITIATIVE FOR MEDICINES, ACCESS KNOWLEDGE (I-MA OLDPARTY : TRIAL NO: IPR2018-00122 EFFECTIVE DATE : 20171026
US8334270 BB	20171219	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : INITIATIVE FOR MEDICINES, ACCESS KNOWLEDGE (I-MA OLDPARTY : TRIAL NO: IPR2018-00121 EFFECTIVE DATE : 20171026
US8334270 BB	20310503	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US8580765 BB	20131112	LSGT	+	granted / extensions (spc, cpc, pte)	
US8580765 BB	20130107	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: SOFIA, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME: 029577/0557
US8580765 BB	20130107	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR: PHARMASSET, INC.; REEL/FRAME: 029577/0277 EFFECTIVE DATE : 20120210
US8580765 BB	20130109	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., NEW JERSEY OLDPARTY : CORRECTION TO THE SPELLING OF ASSIGNOR NAME FROM

					SOFIA, MICHAEL JOSEPH TO SOFIA, MICHAEL JOSEPH FOR COVERSHEET SUBMITTED WITH ASSIGNMENT PREVIOUSLY RECORDED ON REEL 029577 AND FRAME 0557; ASSIGNORS:SOFIA, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:029593/0404
US8580765 BB	20131023	LSGT	PAT1	Patented Case	
US8580765 BB	20141223	LSRE	CC	CERTIFICATE OF CORRECTION	
US8580765 BB	20170512	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8580765 BB	20320911	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US8735372 BB	20140527	LSGT	+	granted / extensions (spc, cpc, pte)	
US8735372 BB	20131223	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHARMASSET, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SOFIA, MICHAEL JOSEPH; DU, JINFA; WANG, PEIYUAN; AND OTHERS; SIGNING DATES FROM 20080326 TO 20080331; REEL/FRAME:031841/0922
US8735372 BB	20131223	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GILEAD PHARMASSET LLC, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:PHARMASSET, INC.; REEL/FRAME:031868/0433 EFFECTIVE DATE : 20120210
US8735372 BB	20140507	LSGT	PAT1	Patented Case	
US8735372 BB	20171127	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8735372 BB	20180109	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : INITIATIVE FOR MEDICINES, ACCESS KNOWLEDGE (I-MA OLDPARTY : TRIAL NO: IPR2018-00123 EFFECTIVE DATE : 20171109

US8735372 BB	20331018	PEXP		Calculated Patent Term Expiry	
US8906880 BB	20141209	LSGT	+	granted / extensions (spc, cpc, pte)	
US8906880 BB	20141119	LSGT	PAT1	Patented Case	
US8906880 BB	20150630	LSRE	CC	CERTIFICATE OF CORRECTION	
US8906880 BB	20340417	PEXP		Calculated Patent Term Expiry	
US8957046 BB	20150217	LSGT	+	granted / extensions (spc, cpc, pte)	
US8957046 BB	20150127	LSGT	PAT1	Patented Case	
US8957046 BB	20340416	PEXP		Calculated Patent Term Expiry	
US9085573 BB	20150721	LSGT	+	granted / extensions (spc, cpc, pte)	
US9085573 BB	20150630	LSGT	PAT1	Patented Case	
US9085573 BB	20330829	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9585906 BB	20170307	LSGT	+	granted / extensions (spc, cpc, pte)	
US9585906 BB	20151022	LSES	NFA1	Non Final Action Mailed	
US9585906 BB	20170215	LSGT	PAT1	Patented Case	
US9585906 BB	20350312	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO08121634 A2	20081009	LSPB	+	published / reissued	
WO08121634 A2	20090922	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008232827 COUNTRY OF REF DOCUMENT : AU
WO08121634 A2	20090923	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 579880 COUNTRY OF REF DOCUMENT : NZ
WO08121634 A2	20090928	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2682230 COUNTRY OF REF DOCUMENT : CA
WO08121634 A2	20090930	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010502196 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

WO08121634 A2	20091001	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08121634 A2	20091015	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2008232827 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20080326 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO08121634 A2	20091029	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20097022652 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO08121634 A2	20091030	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009139968 COUNTRY OF REF DOCUMENT : RU
WO08121634 A3	20121101	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 222810 COUNTRY OF REF DOCUMENT : IL
WO08121634 A3	20150422	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0809654 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20090930
ZA200906647 A	20130626	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200906647 A	20290922	PEXP		Calculated Patent Term Expiry	
ZA201200310 A	20130529	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201200310 A	20320115	PEXP		Calculated Patent Term Expiry	

Title: ANTI-VIRAL COMPOUNDS

Abstract: Compounds effective in inhibiting replication of Hepatitis C virus ("HCV") are described. This invention also relates to

processes of making such compounds, compositions comprising such compounds, and methods of using such compounds to treat HCV infection.

Classifications:

International (IPC 8-9): [A61K](#) [A61K31/00](#) [A61K31/14](#) [A61K31/337](#) [A61K31/351](#) [A61K31/357](#)

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Family:

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AR077060 AA	20110727	AR2010P102058	20100610
AR083240 AA	20130213	AR2011P102023	20110610
AR083398 AA	20130221	AR2011P103777	20111012
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AR094816 AB	20150826	AR2014P100499	20140217
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AU2012247053 AA	20121129	AU20120247053	20121108
AU2012247053 BB	20160526	AU20120247053	20121108
AU2014200725 AA	20140306	AU20140200725	20140211
AU2014200725 BB	20160512	AU20140200725	20140211
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AU2014203655 BB	20160707	AU20140203655	20140703
AU2016238925 AA	20161103	AU20160238925	20161007
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DOP2013000185 A	20130930	DO20130000185	20130813
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ECSP110937 A	20110531	EC2011SP00937	20110330
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MY164064 A	20171115	MY20130700273	20111012
NL300731 I1	20160107	NL20150300731	20150408
NL300731 I2	20160107	NL20150300731	20150408
NO2015012 I1	20150504	NO20150000012	20150422
NZ591973 A	20130328	NZ20100591973	20100610
NZ606645 A	20140926	NZ20110606645	20111012
NZ715562 A	20170929	NZ20110715562	20111012
PE00382014 A1	20140220	PE20130000838	20111012
PE06792011 A1	20111020	PE20110000800	20100610
PE08352014 A1	20140815	PE20140000057	20111012
PE10362013 A1	20131020	PE20120002294	20110609
PE10832014 A1	20141003	PE20130001987	20100610
PH2015500289 A	20150907	PH20150500289	20150209
PH2015500289 B	20150907	PH20150500289	20150209
PT2368890 T	20130717	PT20110160830T	20100610
PT2455376 T	20150304	PT20120155991T	20100610
PT2579854 T	20151016	PT20110727080T	20110609
PT2692346 T	20160322	PT20130191041T	20111012
RS52854 B	20131231	RS20130000301	20100610
RS53856 B1	20150831	RS20150000123	20100610
RS54282 B1	20160229	RS20150000644	20110609
RS54619 B1	20160831	RS20160000128	20111012
RS54790 B1	20161031	RS20160000359	20100610
SG10201702522U A1	20170530	SG20171002522	20100610
SG171708 A1	20110728	SG20110023421	20100610
SG186251 A1	20130130	SG20120090544	20110609
SG188951 A1	20130531	SG20130014766	20111012
SI2368890 T1	20130830	SI20100030266T	20100610
SI2455376 T1	20150331	SI20100030870T	20100610
SI2579854 T1	20150930	SI20110030545T	20110609
SI2628481 T1	20160831	SI20100031187	20100610
SI2692346 T1	20160331	SI20110030697T	20111012
SMT201500263 B	20160108	SM20150000263T	20151023
TH139648 A	20150220	TH20121006418	20110609
TH150551 A	20160314	TH20131001948	20111012
TW201102063 A	20110116	TW20100119001	20100610
TW201204713 A	20120201	TW20110120248	20110609
TW201238948 A	20121001	TW20110137049	20111012
TW201247648 A	20121201	TW20120106262	20120224
TW201334778 A	20130901	TW20130112194	20100610
TW201347759 A	20131201	TW20130117266	20100610
TW201412707 A	20140401	TW20130143104	20111012
TW201519891 A	20150601	TW20150106421	20100610
TWI402070 B	20130721	TW20100119001	20100610
TWI419874 B	20131221	TW20110137049	20111012
TWI469780 B	20150121	TW20130112194	20100610
TWI486159 B	20150601	TW20130117266	20100610
TWI487700 B	20150611	TW20110120248	20110609

TWI586660 B	20170611	TW20120106262	20120224
TWI621611 B	20180421	TW20130143104	20111012
UA103052 C2	20130910	UA20110003926	20100610
UA105434 C2	20140512	UA20130000334	20110609
UA108904 C2	20150625	UA20130006152	20100610
UA113048 C2	20161212	UA20130005877U	20111012
US2010317568 AA	20101216	US20100813301	20100610
US2011092415 AA	20110421	US20100903822	20101013
US2011207699 AA	20110825	US20100964027	20101209
US2012004196 AA	20120105	US20110100827	20110504
US2012172290 AA	20120705	US20110328848	20111216
US2012220562 AA	20120830	US20120404429	20120224
US2012258909 AA	20121011	US20110156783	20110609
US2012264780 AA	20121018	US20110156793	20110609
US2014171481 AA	20140619	US20140180531	20140214
US2014315792 AA	20141023	US20140180886	20140214
US2015087618 AA	20150326	US20140558318	20141202
US2015218194 AA	20150806	US20150683910	20150410
US2017157104 AA	20170608	US20170431069	20170213
US2017157105 AA	20170608	US20170434789	20170216
US2018022763 AA	20180125	US20170588037	20170505
US8686026 BB	20140401	US20110156783	20110609
US8691938 BB	20140408	US20100813301	20100610
US8716454 BB	20140506	US20110156793	20110609
US8921514 BB	20141230	US20100964027	20101209
US8937150 BB	20150120	US20110100827	20110504
US9006387 BB	20150414	US20140180886	20140214
US9394279 BB	20160719	US20110328848	20111216
US9586978 BB	20170307	US20140558318	20141202
UY32699 A1	20101231	UY20100032699	20100610
UY33446 A1	20120131	UY20110033446	20110610
UY33667 A1	20120430	UY20110033667	20111012
UY34983 A1	20140131	UY20130034983	20130821
UY35266 A1	20150731	UY20140035266	20140113
VN15857 A1	20160926	VN20130001449	20111012
VN16243 A1	20161226	VN20110000870	20100610
VN17237 A1	20170825	VN20140001159	20100610
WO10144646 A2	20101216	WO2010US38077	20100610
WO10144646 A3	20110317	WO2010US38077	20100610
WO11156578 A1	20111215	WO2011US39769	20110609
WO12051361 A1	20120419	WO2011US56045	20111012
WO12116257 A1	20120830	WO2012US26456	20120224
ZA201102425 A	20120926	ZA20110002425	20110331
ZA201203502 A	20130130	ZA20120003502	20120514
ZA201203503 A	20140129	ZA20120003503	20120514
ZA201300112 A	20130925	ZA20130000112	20130104

Priority:

US20090186291P 20090611	US20090186291 20090611	US20090186291P 20090911
US20090242836P 20090916	US20090242836 20090916	US20090243596P 20090918
US20090243596 20090918	AU20100258769 20100610	CA20102737601 20100610
CN201080003465 20100610	EP20100724656 20100610	EP20110160830 20100610
JP20120515122 20100610	EP20120155991 20100610	JP20120515122T 20100610

EP20130167828	20100610	JP20130228032	20100610	JP20160005394	20100610
US20100813301	20100610	US20100353553P	20100610	US20100353553	20100610
WO2010US38077	20100610	UY20100032699	20100610	US20100903822	20101013
US20100964027	20101209	US20100423906P	20101216	US20100964027	20101219
US20110446800P	20110225	IN2011KN01475	20110406	US20110100827	20110504
US20110100827P	20110504	AU20110264823	20110609	EP20110727080	20110609
US20110156783	20110609	US20110156793	20110609	WO2011US39769	20110609
AU20110316506	20111012	CA20112807847	20111012	CN201180048951	20111012
EP20110773371	20111012	EP20130191041	20111012	JP20130533986T	20111012
NZ20110626641	20111012	WO2011US56045	20111012	UY20110033667	20111012
US20110328848	20111216	WO2011US65501	20111216	EP20120716757	20120224
US20120404429	20120224	WO2012US26456	20120224	AU20120203474	20120614
AU20120247053	20121108	UY20130034983	20130821	UY20140035266	20140113
AU20140200725	20140211	US20140180531	20140214	US20140180886	20140214
CA20142737601	20140417	AU20140203655	20140703	US20140558318	20141202
US20150683910	20150410	US20150213378P	20150902	US20150242136P	20151015
JP20150212539	20151029	US20150253426P	20151110	JP20160005394	20160114
US20160294449P	20160212	US20160296801P	20160218	US20160321538P	20160412
US20160327087P	20160425	US20160351038P	20160616	US20160363640P	20160718
US20160375029P	20160815	CA20162807847	20160817	US20160254342	20160901
WO2016US49873	20160901	AU20160238925	20161007	US20170431069	20170213
US20170434789	20170216	US20170588037	20170505	JP20170114480	20170609

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR077060 AA	20110727	LSPB	+	published / reissued	
AR077060 AA	20161227	LSGT	+FG	GRANT, REGISTRATION	
AR083240 AA	20130213	LSPB	+	published / reissued	
AR083398 AA	20130221	LSPB	+	published / reissued	
AR083398 AA	20161116	LSGT	+FG	GRANT, REGISTRATION	
AR092505 AB	20150422	LSGT	+	granted / extensions (spc, cpc, pte)	
AR092505 AB	20170512	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AR092505 AB	20220010	REVD		Calculated Patent	

Term Expiry					
AR094816 AB	20150826	LSGT	+	granted / extensions (spc, cpc, pte)	
AR094816 AB	20340217	PEXP		Calculated Patent Term Expiry	
AU2010258769 A	20101216	LSPB	+	published / reissued	
AU2010258769 A	20110428	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE INVENTION TITLE TO READ ANTI-VIRAL COMPOUNDS
AU2010258769 A	20110804	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ RANDOLPH, JOHN T.; DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; DONNER, PAMELA L.; KRUEGER, ALLAN C.; MOTTER, CHRISTOPHER E.; NELSON, LISSA T.; PATEL, SACHIN V.; MATULENKO, MARK A.; KEDDY, RYAN G.; JINKERSON, TAMMIE K.; HUTCHINSON, DOUGLAS K.; FLENTGE, CHARLES A.; WAGNER, ROLF; MARING, CLARENCE J.; TUFANO, MICHAEL D.; BETEBENNER, DAVID A.; ROCKWAY, TODD W.; LIU, DACHUN; PRATT, JOHN K.; LAVIN, MICHAEL J.; SARRIS, KATHY; WOLLER, KEVIN R.; WAGAW, SEBLE H.; CALIFANO, JEAN C.; LI, WENKE; CASPI, DANIEL D. AND BELLIZZI, MARY E.
AU2010258769 A	20110922	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; DONNER, PAMELA L.; KRUEGER, ALLAN C.; RANDOLPH, JOHN T.; MOTTER, CHRISTOPHER E.; NELSON, LISSA T.; PATEL, SACHIN V.; MATULENKO, MARK A.; KEDDY, RYAN G.; JINKERSON, TAMMIE K.; HUTCHINSON, DOUGLAS K.; FLENTGE, CHARLES A.; WAGNER, ROLF; MARING, CLARENCE J.; TUFANO, MICHAEL D.; BETEBENNER, DAVID A.; ROCKWAY, TODD W.; LIU, DACHUN; PRATT, JOHN K.; SARRIS, KATHY; WOLLER, KEVIN R.; WAGAW, SEBLE H.; CALIFANO, JEAN C.; LI, WENKE; CASPI, DANIEL D.; BELLIZZI, MARY E. AND GAO, YI
AU2010258769 A	20121220	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2010258769 A	20140828	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD. OLDPARTY : FORMER OWNER WAS: ABBOTT LABORATORIES
AU2010258769 A	20150917	LSGT	+NC	EXTENSION OF TERM REQUESTED FOR STANDARD PATENT (SECT. 70)	TEXT : PRODUCT NAME: VIEKIRA PAK PARITAOREV/RITONAVIR/OMBITASVIR; EXTENSION OF TERM OF A STANDARD PATENT RELATING TO PHARMACEUTICAL SUBSTANCES FILING DATE : 20150710

AU2010258769 A	20160107	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 27 NOV 2015 .
AU2010258769 A	20160428	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 27 NOV 2015
AU2010258769 A	20160714	LSGT	+NDA	EXTENSION OF TERM FOR STANDARD PATENT ACCEPTED (SECT.70)	TEXT : PRODUCT NAME: VIEKIRA PAK PARITAPREVIR/RITONAVIR/OMBITASVIR/DA SABUVIR FILING DATE : 20150710
AU2010258769 A	20161117	LSGT	+NDB	EXTENSION OF TERM FOR STANDARD PATENT GRANTED (SECT.76)	TEXT : PRODUCT NAME: VIEKIRA PAK PARITAPREVIR/RITONAVIR/OMBITASVIR/DA SABUVIR FILING DATE : 20150710 EXTENSION DATE : 20300710
AU2010258769 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD.
AU2010258769 B	20120823	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2010258769 B	20300610	PEXP		Calculated Patent Term Expiry	
AU2011264823 A	20111215	LSPB	+	published / reissued	
AU2011264823 A	20130815	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE INC. OLDPARTY : FORMER APPLICANT(S): ABBOTT LABORATORIES
AU2011264823 A	20140213	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD. OLDPARTY : FORMER APPLICANT(S): ABBOTT LABORATORIES
AU2011264823 A	20140710	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011264823 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD.
AU2011264823 B	20140313	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011264823 B	20310609	PEXP		Calculated Patent Term Expiry	
AU2011316506 A	20120419	LSPB	+	published / reissued	

AU2011316506 A	20141009	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011316506 A	20150212	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD. OLDPARTY : FORMER OWNER WAS: ABBVIE INC.
AU2011316506 A	20160602	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; DONNER, PAMELA L.; KRUEGER, ALLAN C.; RANDOLPH, JOHN T.; MOTTER, CHRISTOPHER E.; NELSON, LISSA T.; PATEL, SACHIN V.; MATULENKO, MARK A.; KEDDY, RYAN G.; JINKERSON, TAMMIE K.; GAO, YI; LIU, DACHUN; PRATT, JOHN K.; ROCKWAY, TODD W.; MARING, CLARENCE J.; HUTCHINSON, DOUGLAS K.; FLENTGE, CHARLES A.; WAGNER, ROLF; TUFANO, MICHAEL D.; BETEBENNER, DAVID A.; SARRIS, KATHY; WOLLER, KEVIN R.; WAGAW, SEBLE H.; CALIFANO, JEAN C.; LI, WENKE; CASPI, DANIEL D.; BELLIZZI, MARY E. AND CARROLL, WILLIAM A.
AU2011316506 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD.
AU2011316506 B	20140612	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011316506 B	20311012	PEXP		Calculated Patent Term Expiry	
AU2012203474 A	20120705	LSPB	+	published / reissued	
AU2012203474 A	20130711	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD OLDPARTY : FORMER APPLICANT(S): ABBOTT LABORATORIES
AU2012203474 A	20150122	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012203474 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD
AU2012203474 B	20140918	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2012203474 B	20320614	PEXP		Calculated Patent Term Expiry	

AU2012247053 A	20121129	LSPB	+	published / reissued	
AU2012247053 A	20130815	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE INC. OLDPARTY : FORMER APPLICANT(S): ABBOTT LABORATORIES
AU2012247053 A	20150813	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD. OLDPARTY : FORMER APPLICANT(S): ABBOTT LABORATORIES
AU2012247053 A	20160922	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012247053 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD.
AU2012247053 B	20160526	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2012247053 B	20321108	PEXP		Calculated Patent Term Expiry	
AU2014200725 A	20140306	LSPB	+	published / reissued	
AU2014200725 A	20160908	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014200725 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD.
AU2014200725 B	20160512	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014200725 B	20340211	PEXP		Calculated Patent Term Expiry	
AU2014203655 A	20140724	LSPB	+	published / reissued	
AU2014203655 A	20150212	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD. OLDPARTY : FORMER APPLICANT(S): ABBVIE INC.
AU2014203655 A	20160526	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; DONNER, PAMELA L.; KRUEGER, ALLAN C.; RANDOLPH, JOHN T.; MOTTER, CHRISTOPHER E.; NELSON, LISSA T.; BATEL, SACHIN V.; MATULENKO, MARK A.

					KEDDY, RYAN G.; JINKERSON, TAMMIE K.; GAO, YI; LIU, DACHUN; PRATT, JOHN K.; ROCKWAY, TODD W.; MARING, CLARENCE J.; HUTCHINSON, DOUGLAS K.; FLENTGE, CHARLES A.; WAGNER, ROLF; TUFANO, MICHAEL D.; BETEBENNER, DAVID A.; SARRIS, KATHY; WOLLER, KEVIN R.; WAGAW, SEBLE H.; CALIFANO, JEAN C.; LI, WENKE; CASPI, DANIEL D.; BELLIZZI, MARY E. AND CARROLL, WILLIAM A.
AU2014203655 A	20161103	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014203655 A	20170302	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER OWNER(S): ABBVIE BAHAMAS LTD.
AU2014203655 B	20160707	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014203655 B	20340703	PEXP		Calculated Patent Term Expiry	
AU2016238925 A	20161103	LSPB	+	published / reissued	
AU2016238925 A	20170302	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY OLDPARTY : FORMER APPLICANT(S): ABBVIE BAHAMAS LTD.
BR212012031500 U2	20170711	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD. (US)
BR212012031500 U2	20170725	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY (BM)
BR212012031500 U2	20180417	LSES	B07D	TECHNICAL EXAMINATION (OPINION) RELATED TO ARTICLE 229 OF INDUSTRIAL PROPERTY LAW	
CA2737601 AA	20110317	LSPB	+	published / reissued	
CA2737601 AA	20120411	LSES	+EEER	EXAMINATION REQUEST	
CA2737601 C	20141021	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2737601 C	20300610	PEXP		Calculated Patent Term Expiry	
CA2802180 AA	20121210	LSPB	+	published / reissued	
CA2802180 AA	20140625	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20140613

CA2807847 AA	20130207	LSPB	+	published / reissued	
CA2807847 AA	20141120	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20141104
CA2807847 C	20160920	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2807847 C	20311012	PEXP		Calculated Patent Term Expiry	
CA2819894 AA	20130603	LSPB	+	published / reissued	
CA2819894 AA	20180129	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20171218
CA2828495 AA	20130822	LSPB	+	published / reissued	
CA2828495 AA	20180409	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20180226
CA2847910 AA	20101216	LSPB	+	published / reissued	
CA2847910 AA	20140802	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20140725
CA2847910 AA	20160724	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20160610
CA2938547 AA	20120419	LSPB	+	published / reissued	
CA2938547 AA	20180326	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20180212
CA2997170 AA	20180301	LSPB	+	published / reissued	
CL2011000689 A 1	20111111	LSPB	+	published / reissued	
CL2012003470 A 1	20130215	LSPB	+	published / reissued	
CL2013000970 A 1	20130906	LSPB	+	published / reissued	
CL2013002299 A 1	20131108	LSPB	+	published / reissued	
CL2014000059 A 1	20140905	LSPB	+	published / reissued	
CL52312 B	20160321	LSGT	+	granted / extensions (spc, cpc, pte)	
CL52312 B	20330807	PEXP		Calculated Patent Term Expiry	
CL53025 B	20160907	LSGT	+	granted / extensions (spc, cpc, pte)	
CL53025 B	20310329	PEXP		Calculated Patent Term Expiry	
CL54576 B	20170807	LSGT	+	granted / extensions (spc, cpc, pte)	
CL54576 B	20330410	PEXP		Calculated Patent Term Expiry	
CN102333772 A	20120125	LSPB	+	published / reissued	
CN102333772 A	20120125	LSPB	+C06	PUBLICATION	

CN102333772 A	20120516	LSRE	C53	CORRECTION OF PATENT FOR INVENTION OR PATENT APPLICATION	
CN102333772 A	20120516	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	TEXT : CORRECT: INVENTOR; FROM: DEGOEY DAVID A. KATI WARREN M. HUTCHINS CHARLES W. DONNER PAMELA L. KRUEGER ALLAN C. MOTTER CHRISTOPHER E. NELSON LISSA T. PATEL SACHIN V. MATULENKO MARK A. KEDDY RYAN G. JINKERSON TAMMIE K. SOLTWEDEL TODD N. HUTCHINSON DOUGLAS K. FLENTGE CHARLES A. WAGNER ROLF MARING CLARENCE J. TUFANO MICHAEL D. BETEBENNER DAVID A. ROCKWAY TODD W. LIU DACHUN PRATT JOHN K. LAVIN MICHAEL J. SARRIS KATHY WOLLER KEVIN R. WAGAW SEBLE H. CALIFANO JEAN C. LI WENKE BELLIZZI MARY E. CASPI DANIEL D. RANDOLPH JOHN T. TO: DEGOEY DAVID A. KATI WARREN M. HUTCHINS CHARLES W. DONNER PAMELA L. KRUEGER ALLAN C. MOTTER CHRISTOPHER E. NELSON LISSA T. PATEL SACHIN V. MATULENKO MARK A. KEDDY RYAN G. JIN
CN102333772 B	20131211	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102333772 B	20131211	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102333772 B	20140101	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : ABBOTT HOSPITAL CO., LTD. OLDPARTY : FORMER OWNER: ABBOTT GMBH. + CO. KG EFFECTIVE DATE : 20131213
CN102333772 B	20140101	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN102333772 B	20140101	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	
CN102333772 B	20140101	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS B.V. OLDPARTY : FORMER NAME: ABBOTT HOSPITAL CO., LTD.
CN102333772 B	20300610	PEXP		Calculated Patent Term Expiry	
CN103153988 A	20130612	LSPB	+	published / reissued	
CN103153988 A	20130612	LSPB	+C06	PUBLICATION	
CN103153988 A	20140115	LSRE	C53	CORRECTION OF PATENT FOR INVENTION OR PATENT APPLICATION	
CN103153988 A	20140115	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	TEXT : CORRECT: APPLICANT; FROM: ABBVIE COMPANY TO: ABBVIE CORP

DATA					
CN103153988 A	20140205	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS B.V. OLDPARTY : FORMER OWNER: ABBVIE CORP. EFFECTIVE DATE : 20140108
CN103153988 A	20140205	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN103153988 B	20140709	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103153988 B	20140709	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103153988 B	20311012	PEXP		Calculated Patent Term Expiry	
CN103172620 A	20130626	LSPB	+	published / reissued	
CN103172620 A	20130626	LSPB	+C06	PUBLICATION	
CN103172620 A	20141022	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS B.V. OLDPARTY : FORMER OWNER: ABBOTT GMBH. + CO. KG EFFECTIVE DATE : 20140924
CN103172620 A	20141022	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN103172620 B	20141029	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103172620 B	20141029	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103172620 B	20300610	PEXP		Calculated Patent Term Expiry	
CN103209686 A	20130717	LSPB	+	published / reissued	
CN103209686 A	20130717	LSPB	+C06	PUBLICATION	
CN103209686 A	20140108	LSRE	C53	CORRECTION OF PATENT FOR INVENTION OR PATENT APPLICATION	
CN103209686 A	20140108	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	TEXT : CORRECT: APPLICANT; FROM: YABOVI BAHAMAS LTD. TO: ABBVIE BAHAMAS B.V.
CN103209686 B	20150617	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103209686 B	20150617	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103209686 B	20310609	PEXP		Calculated Patent Term Expiry	

CN103354808 A	20131016	LSPB	+	published / reissued	
CN103354808 A	20131016	LSPB	+C06	PUBLICATION	
CN103354808 B	20160810	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103354808 B	20160810	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103354808 B	20311216	PEXP		Calculated Patent Term Expiry	
CN103596941 A	20140219	LSPB	+	published / reissued	
CN103596941 A	20140219	LSPB	+C06	PUBLICATION	
CN103596941 A	20150311	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS B.V. OLDPARTY : FORMER OWNER: ABBVIE CORP. EFFECTIVE DATE : 20150212
CN103596941 A	20150311	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN103596941 B	20150708	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103596941 B	20150708	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103596941 B	20320224	PEXP		Calculated Patent Term Expiry	
CN103819459 A	20140528	LSPB	+	published / reissued	
CN103819459 A	20140528	LSPB	+C06	PUBLICATION	
CN103819459 A	20170517	LSGT	+GR01	PATENT GRANT	
CN103819459 B	20170517	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103819459 B	20300610	PEXP		Calculated Patent Term Expiry	
CN103819537 A	20140528	LSPB	+	published / reissued	
CN103819537 A	20140528	LSPB	+C06	PUBLICATION	
CN103819537 A	20170524	LSDW	- WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
CN104193729 A	20141210	LSPB	+	published / reissued	
CN104193729 A	20141210	LSPB	+C06	PUBLICATION	
CN104193729 A	20170926	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
CN106986861 A	20170728	LSPB	+	published / reissued	

CN106986861 A	20170728	LSPB	PB01	PUBLICATION
CO6440538 A2	20120515	LSPB	+	published / reissued
CO6440538 A2	20141014	LSGT	+FG	APPLICATION GRANTED
CO6660490 A2	20130430	LSPB	+	published / reissued
CO6660490 A2	20140526	LSGT	+FG	APPLICATION GRANTED
CO6761348 A2	20130930	LSPB	+	published / reissued
CO6761348 A2	20130930	LSPB	+	published / reissued
CR20120650 A	20130516	LSPB	+	published / reissued
CR20130170 A	20130807	LSPB	+	published / reissued
CR20140021 A	20140312	LSPB	+	published / reissued
CY1114356 T1	20160413	LSGT	+	granted / extensions (spc, cpc, pte)
CY1116060 T1	20170315	LSGT	+	granted / extensions (spc, cpc, pte)
CY1116748 T1	20170315	LSGT	+	granted / extensions (spc, cpc, pte)
CY1117188 T1	20170405	LSGT	+	granted / extensions (spc, cpc, pte)
CY1117456 T1	20170426	LSGT	+	granted / extensions (spc, cpc, pte)
DK2368890 T3	20130722	LSGT	+	granted / extensions (spc, cpc, pte)
DK2368890 T3	20300610	PEXP		Calculated Patent Term Expiry
DK2455376 T3	20150302	LSGT	+	granted / extensions (spc, cpc, pte)
DK2455376 T3	20300610	PEXP		Calculated Patent Term Expiry
DK2579854 T3	20151019	LSGT	+	granted / extensions (spc, cpc, pte)
DK2579854 T3	20310609	PEXP		Calculated Patent Term Expiry
DK2628481 T3	20160606	LSGT	+	granted / extensions (spc, cpc, pte)
DK2628481 T3	20300610	PEXP		Calculated Patent Term Expiry
DK2692346 T3	20160229	LSGT	+	granted / extensions (spc, cpc, pte)
DK2692346 T3	20311012	PEXP		Calculated Patent Term Expiry
DOP2011000087 A	20110430	LSPB	+	published / reissued
DOP2012000307 A	20130131	LSPB	+	published / reissued

DOP2013000078 A	20140331	LSPB	+	published / reissued	
DOP2013000185 A	20130930	LSPB	+	published / reissued	
EA020031 B1	20140829	LSGT	+	granted / extensions (spc, cpc, pte)	
EA020031 B1	20160531	LSGT	- ND4A	EXTENSION OF TERM OF A EURASIAN PATENT	
EA020031 B1	20160729	LSGT	- ND4A	EXTENSION OF TERM OF A EURASIAN PATENT	
EA020031 B1	20160930	LSGT	- ND4A	EXTENSION OF TERM OF A EURASIAN PATENT	
EA020031 B1	20170228	LSGT	- ND4A	EXTENSION OF TERM OF A EURASIAN PATENT	
EA020031 B1	20300610	PEXP		Calculated Patent Term Expiry	
EA023570 B1	20160630	LSGT	+	granted / extensions (spc, cpc, pte)	
EA023570 B1	20300610	PEXP		Calculated Patent Term Expiry	
EA024100 B1	20160831	LSGT	+	granted / extensions (spc, cpc, pte)	
EA024100 B1	20311012	PEXP		Calculated Patent Term Expiry	
EA024538 B1	20160930	LSGT	+	granted / extensions (spc, cpc, pte)	
EA024538 B1	20161230	LSGT	- ND4A	EXTENSION OF TERM OF A EURASIAN PATENT	
EA024538 B1	20170331	LSGT	- ND4A	EXTENSION OF TERM OF A EURASIAN PATENT	
EA024538 B1	20180228	LSLE	- MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON-PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	COUNTRY OF REF DOCUMENT : TJ
EA024538 B1	20310609	PEXP		Calculated Patent Term Expiry	
EA026848 B1	20170531	LSGT	+	granted / extensions (spc, cpc, pte)	
EA026848 B1	20300610	PEXP		Calculated Patent Term Expiry	
EA201170401 A1	20111031	LSPB	+	published / reissued	

EA201291394 A1	20130530	LSPB	+	published / reissued	
EA201300495 A1	20130930	LSPB	+	published / reissued	
EA201301158 A1	20140730	LSPB	+	published / reissued	
EA201390538 A1	20140228	LSPB	+	published / reissued	
EA201400115 A1	20140829	LSPB	+	published / reissued	
ECSP11010937 A	20110531	LSPB	+	published / reissued	
ECSP110937 A	20110531	LSPB	+	published / reissued	
ECSP13010937 A	20131031	LSPB	+	published / reissued	
ECSP13012382 A	20130328	LSPB	+	published / reissued	
ECSP13012622 A	20130731	LSPB	+	published / reissued	
ECSP14012622 A	20141031	LSPB	+	published / reissued	
EP2337781 A2	20110629	LSPB	+	published / reissued	
EP2337781 A2	20110629	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110401
EP2337781 A2	20120404	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20120302
EP2337781 A2	20130410	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
EP2337781 A2	20140226	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20140128
EP2337781 A2	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 7
EP2337781 A2	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2337781 A2	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160614 YEAR OF FEE PAYMENT : 7
EP2337781 B1	20140723	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2337781 B1	20140723	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2337781 B1	20140731	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2337781 B1	20140813	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2337781 B1	20140815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 678803 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T

					DESIGNATED STATE(S) : EFFECTIVE DATE : 20140815
EP2337781 B1	20140904	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602010017714 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140904
EP2337781 B1	20141022	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2511440 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20141022
EP2337781 B1	20141024	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1152620 COUNTRY OF REF DOCUMENT : HK
EP2337781 B1	20141215	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 678803 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20140723
EP2337781 B1	20141217	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20140723
EP2337781 B1	20141229	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20141124
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT.	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

				OFFICE TO EPO	LAPSED DATE : 20140723
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20141023
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141023
EP2337781 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20141024
EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723

EP2337781 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20141123
EP2337781 B1	20150424	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602010017714 COUNTRY OF REF DOCUMENT : DE
EP2337781 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20150701	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20150424
EP2337781 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723

EP2337781 B1	20160129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2337781 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150610
EP2337781 B1	20160323	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2337781 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150630
EP2337781 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150630
EP2337781 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150610
EP2337781 B1	20160531	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2337781 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2337781 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160629 YEAR OF FEE PAYMENT : 7
EP2337781 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140723
EP2337781 B1	20170518	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP

YEAR OF FEE PAYMENT : 8					
EP2337781 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20140723
EP2337781 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20100610
EP2337781 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2337781 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8
EP2337781 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140723
EP2337781 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170612 YEAR OF FEE PAYMENT : 8
EP2337781 B1	20170907	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 602010017714 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: ABBVIE BAHAMAS LTD., NASSAU, NEW PROVIDENCE, BS
EP2337781 B1	20171027	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : TP EFFECTIVE DATE : 20170921
EP2337781 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170623 YEAR OF FEE PAYMENT : 8
EP2337781 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170705 YEAR OF FEE PAYMENT : 8

EP2337781 B1	20300610	PEXP		Calculated Patent Term Expiry	
EP2368890 A1	20110928	LSPB	+	published / reissued	
EP2368890 A1	20120509	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120327
EP2368890 A1	20120725	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20120626
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 417/14 20060101ALI20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 31/14 20060101ALN20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4025 20060101ALN20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4196 20060101ALN20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4184 20060101ALN20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 403/14 20060101AFI20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 401/14 20060101ALI20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4178 20060101ALN20121109BHEP
EP2368890 A1	20121219	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4439 20060101ALN20121109BHEP
EP2368890 A1	20130403	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LIMITED
EP2368890 A1	20150227	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: SWISSMEDIC 65301 25.11.2014 FILING DATE : 20150219
EP2368890 A1	20150622	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R065 TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982 20150115

SUPPLEMENTARY PROTECTION CERTIFICATE
: 122015000039
FILING DATE : 20150521
EXPIRY DATE : 20300611

EP2368890 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160321 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160425 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20160427 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160527 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160621 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160606 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20160517 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20160522 YEAR OF FEE PAYMENT : 7

				TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160614 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160614 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20160511 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20160601 YEAR OF FEE PAYMENT : 7
EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160516 YEAR OF FEE PAYMENT : 7

EP2368890 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 7
EP2368890 B1	20130417	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2368890 B1	20130417	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2368890 B1	20130430	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2368890 B1	20130508	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2368890 B1	20130515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 607238 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130515
EP2368890 B1	20130613	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602010006456 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130613
EP2368890 B1	20130716	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2368890 B1	20130723	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2414934 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20130723
EP2368890 B1	20130826	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130417
EP2368890 B1	20130830	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130401305 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20130711
EP2368890 B1	20130911	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2368890 B1	20291124	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300118	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300119	PEXP		Calculated Patent Term Expiry	

EP2368890 B1	20300119	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300119	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300119	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300119	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300609	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300610	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300610	PEXP		Calculated Patent Term Expiry	
EP2368890 B1	20300611	PEXP		Calculated Patent Term Expiry	
EP2368890 B9	20131105	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : RPOT
EP2368890 B9	20140228	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A
EP2368890 B9	20140307	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1161245 COUNTRY OF REF DOCUMENT : HK
EP2368890 B9	20140326	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140120
EP2368890 B9	20140430	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602010006456 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140120
EP2368890 B9	20140530	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PL REF LEGAL EVENT CODE : RECP
EP2368890 B9	20150223	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CP TEXT : PRODUCT NAME: OMBITASVIR DANS TOUTES LES FORMES PROTEGEES PAR LE BREVET DE BASE; REGISTRATION NO/DATE: EU/1/14/982 20150119 SUPPLEMENTARY PROTECTION CERTIFICATE : 15C0016 FILING DATE : 20150223
EP2368890 B9	20150225	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FI REF LEGAL EVENT CODE : SPCF SUPPLEMENTARY PROTECTION CERTIFICATE : C20150008
EP2368890 B9	20150227	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: SWISSMEDIC

					65301 25.11.2014 FILING DATE : 20150219
EP2368890 B9	20150311	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: OMBITASVIR, OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 2015/010 FILING DATE : 20150217
EP2368890 B9	20150318	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: OMBITASVIR, IN ALL FORMS PROTECTED BY THE BASIC PATENT; REGISTERED: UK EU/1/14/982 20150119 SUPPLEMENTARY PROTECTION CERTIFICATE : SPC/GB15/015 FILING DATE : 20150219
EP2368890 B9	20150324	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: OMBITASVIR, OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REG. NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 1590013-7
EP2368890 B9	20150327	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CP TEXT : PRODUCT NAME: OMBITASVIR DANS TOUTES LES FORMES PROTEGEES PAR LE BREVET DE BASE; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 15C0016 FILING DATE : 20150223
EP2368890 B9	20150427	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: OMBITASVIRUM; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : PA2015012 FILING DATE : 20150304 EXPIRY DATE : 20300610
EP2368890 B9	20150504	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: VIEKIRAX; REG. NO/DATE: EU/1/14/982 20150120 SUPPLEMENTARY PROTECTION CERTIFICATE : 2015012 FILING DATE : 20150422
EP2368890 B9	20150515	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : AA1Y REF DOCUMENT NUMBER : E008269 COUNTRY OF REF DOCUMENT : EE TEXT : PRODUCT NAME: OMBITASVIIR; REG NO/DATE: EU/1/14/982 10.01.2015

					SUPPLEMENTARY PROTECTION CERTIFICATE : C20150016 FILING DATE : 20150409
EP2368890 B9	20150528	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2368890 B9	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SM 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 : 20130417
EP2368890 B9	20150601	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: OMBITASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEROF; REG. NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : CA 2015 00015 FILING DATE : 20150310 EXTENSION DATE : 20300119
EP2368890 B9	20150615	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCL SUPPLEMENTARY PROTECTION CERTIFICATE : C02368890/01
EP2368890 B9	20150622	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R065 REF DOCUMENT NUMBER : 602010006456 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 122015000039 FILING DATE : 20150521 EXTENSION DATE : 20300119 EXPIRY DATE : 20300611
EP2368890 B9	20150622	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R065 TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 122015000039 FILING DATE : 20150521 EXTENSION DATE : 20300119 EXPIRY DATE : 20300611
EP2368890 B9	20150630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MK PAYMENT DATE : 20150610 YEAR OF FEE PAYMENT : 6
EP2368890 B9	20150630	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: SWISSMEDIC 65201 25 11 2014

					SUPPLEMENTARY PROTECTION CERTIFICATE : C02368890/01 FILING DATE : 20150219 EXTENSION DATE : 20291124
EP2368890 B9	20150701	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SK REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982/001 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 50010-2015 FILING DATE : 20150527
EP2368890 B9	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20150525 YEAR OF FEE PAYMENT : 6
EP2368890 B9	20151015	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : FG1Y REF DOCUMENT NUMBER : E008269 COUNTRY OF REF DOCUMENT : EE TEXT : PRODUCT NAME: OMBITASVIIR; REG NO/DATE: EU/1/14/982 19.01.2015 SUPPLEMENTARY PROTECTION CERTIFICATE : C20150016 00154 FILING DATE : 20150409 EXTENSION DATE : 20300119
EP2368890 B9	20151120	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CT TEXT : PRODUCT NAME: OMBITASVIR DANS TOUTES LES FORMES PROTEGEES PAR LE BREVET DE BASE; REGISTRATION NO/DATE: EU/1/14/982 20150119 SUPPLEMENTARY PROTECTION CERTIFICATE : 15C0016 FILING DATE : 20150223 EXTENSION DATE : 20300119
EP2368890 B9	20160202	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SK REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982/001 20150119 SUPPLEMENTARY PROTECTION CERTIFICATE : 207 50010-2015 FILING DATE : 20150527 EXTENSION DATE : 20300119
EP2368890 B9	20160331	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LU REF LEGAL EVENT CODE : CCP TEXT : PRODUCT NAME: OMBITASVIR, OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE QUI EN DERIVE (VIEKIRAX R); FIRST REGISTRATION DATE: 20150119 SUPPLEMENTARY PROTECTION CERTIFICATE : 92668 EXTENSION DATE : 20300119
EP2368890 B9	20160425	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : CTFG TEXT : PRODUCT NAME: OMBITASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEROF; REG. NO/DATE: EU/1/14/982 20150119

					SUPPLEMENTARY PROTECTION CERTIFICATE : CR 2015 00015 FILING DATE : 20150310 EXTENSION DATE : 20300119
EP2368890 B9	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160331
EP2368890 B9	20160531	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2368890 B9	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2368890 B9	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20160518 YEAR OF FEE PAYMENT : 7
EP2368890 B9	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160629 YEAR OF FEE PAYMENT : 7
EP2368890 B9	20161230	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MT PAYMENT DATE : 20150523 YEAR OF FEE PAYMENT : 6
EP2368890 B9	20170111	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: OMBITASVIR, OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 2015/010 EXTENSION DATE : 20300118 EFFECTIVE DATE : 20161222
EP2368890 B9	20170310	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : SPCG TEXT : PRODUCT NAME: OMBITASVIRAS; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : PA2015012,C2368890 FILING DATE : 20150304 EXTENSION DATE : 20300119 EXPIRY DATE : 20300610
EP2368890 B9	20170328	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : RPOT
EP2368890 B9	20170417	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : GB1A REF DOCUMENT NUMBER : E008269 COUNTRY OF REF DOCUMENT : EE

EP2368890 B9	20170511	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R067 REF DOCUMENT NUMBER : 602010006456 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 122015000039 FILING DATE : 20150521 EXTENSION DATE : 20300119 EXPIRY DATE : 20300611
EP2368890 B9	20170511	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R067 TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 122015000039 FILING DATE : 20150521 EXTENSION DATE : 20300119 EXPIRY DATE : 20300611
EP2368890 B9	20170518	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170323 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170617	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R069 REF DOCUMENT NUMBER : 602010006456 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: OMBITASVIR; REGISTRATION NO/DATE: EU/1/14/982 20150115 SUPPLEMENTARY PROTECTION CERTIFICATE : 122015000039 FILING DATE : 20150521 EXTENSION DATE : 20300119 EXPIRY DATE : 20300611
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20170515 YEAR OF FEE PAYMENT : 8

OFFICE					
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20170605 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170424 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170605 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL

				ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170609 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170614 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20170404 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170907	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 602010006456 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: ABBVIE BAHAMAS LIMITED, NEW PROVIDENCE, NASSAU, BS
EP2368890 B9	20170921	LSGT	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : SPCT TEXT : PRODUCT NAME: OMBITASVIR DANS TOUTES LES FORMES PROTEGEES PAR LE BREVET DE BASE; REGISTRATION NO/DATE: EU/1/14/982 20150119 SUPPLEMENTARY PROTECTION CERTIFICATE : 15C0016 FILING DATE : 20150223 EXTENSION DATE : 20300119
EP2368890 B9	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20171027	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR

OWNER : ABBVIE IRELAND UNLIMITED
COMPANY, BM
REF LEGAL EVENT CODE : TP
EFFECTIVE DATE : 20170921

EP2368890 B9	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170623 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170705 YEAR OF FEE PAYMENT : 8
EP2368890 B9	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20170606 YEAR OF FEE PAYMENT : 8
EP2455376 A1	20120523	LSPB	+	published / reissued	
EP2455376 A1	20120926	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120814
EP2455376 A1	20130424	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
EP2455376 A1	20130710	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20130607
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4439 20060101ALN20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4184 20060101ALN20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4196 20060101ALN20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4025 20060101ALN20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 401/14 20060101ALI20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 31/14 20060101ALN20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 417/14 20060101ALI20140130BHEP

EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 403/14 20060101AFI20140130BHEP
EP2455376 A1	20140305	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4178 20060101ALN20140130BHEP
EP2455376 A1	20140312	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20140214
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 403/14 20060101AFI20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4184 20060101ALN20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 417/14 20060101ALI20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 401/14 20060101ALI20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 31/14 20060101ALN20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4196 20060101ALN20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4025 20060101ALN20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4439 20060101ALN20140722BHEP
EP2455376 A1	20140827	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4178 20060101ALN20140722BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 417/14 20060101ALI20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4184 20060101ALN20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4439 20060101ALN20140805BHEP

EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4178 20060101ALN20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 31/14 20060101ALN20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 401/14 20060101ALI20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4196 20060101ALN20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 403/14 20060101AFI20140805BHEP
EP2455376 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4025 20060101ALN20140805BHEP
EP2455376 A1	20140917	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20140820
EP2455376 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160321 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160527 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160621 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20160406 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160606 YEAR OF FEE PAYMENT : 7

EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160425 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160614 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160615 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160516 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7

OFFICE					
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20160517 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20160511 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 7
EP2455376 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20160601 YEAR OF FEE PAYMENT : 7
EP2455376 B1	20141126	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2455376 B1	20141126	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2455376 B1	20141128	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2455376 B1	20141215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 698105 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20141215
EP2455376 B1	20141217	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2455376 B1	20141231	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602010020631 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20141231
EP2455376 B1	20150116	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2526908 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20150116
EP2455376 B1	20150128	LSNP	REG	REFERENCE TO A	REF COUNTRY CODE : NL

				NATIONAL CODE	REF LEGAL EVENT CODE : T3
EP2455376 B1	20150406	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20150400050 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20150220
EP2455376 B1	20150511	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20141126
EP2455376 B1	20150630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MK PAYMENT DATE : 20150610 YEAR OF FEE PAYMENT : 6
EP2455376 B1	20150728	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E023258 COUNTRY OF REF DOCUMENT : HU
EP2455376 B1	20150827	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602010020631 COUNTRY OF REF DOCUMENT : DE
EP2455376 B1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20150525 YEAR OF FEE PAYMENT : 6
EP2455376 B1	20151016	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1170739 COUNTRY OF REF DOCUMENT : HK
EP2455376 B1	20151104	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20150827
EP2455376 B1	20151207	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2455376 B1	20160531	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2455376 B1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20160518 YEAR OF FEE PAYMENT : 7
EP2455376 B1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 7
EP2455376 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160629 YEAR OF FEE PAYMENT : 7
EP2455376 B1	20161230	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID	COUNTRY OF REF DOCUMENT : MT PAYMENT DATE : 20160722

				TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 6
EP2455376 B1	20170328	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : RPOT
EP2455376 B1	20170417	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : GB1A REF DOCUMENT NUMBER : E010280 COUNTRY OF REF DOCUMENT : EE
EP2455376 B1	20170518	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SM 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 : 20141126
EP2455376 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170323 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20170605 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170424 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20170515

				TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170612 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170614 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170620 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8

EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20170404 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170907	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 602010020631 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: ABBVIE BAHAMAS LTD., NASSAU, NEW PROVIDENCE, BS
EP2455376 B1	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20171027	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : TP EFFECTIVE DATE : 20170921
EP2455376 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170705 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170623 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20170606 YEAR OF FEE PAYMENT : 8
EP2455376 B1	20300610	PEXP		Calculated Patent Term Expiry	
EP2579854 A1	20130417	LSPB	+	published / reissued	
EP2579854 A1	20130417	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121219

EP2579854 A1	20140702	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20140530
EP2579854 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 9/14 20060101AFI20140807BHEP
EP2579854 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 9/16 20060101ALI20140807BHEP
EP2579854 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4025 20060101ALI20140807BHEP
EP2579854 A1	20140910	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 9/20 20060101ALI20140807BHEP
EP2579854 A1	20141224	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
EP2579854 A1	20150114	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20141219
EP2579854 A1	20160229	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20151015 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160321 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160425 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20160518 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160606 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20160406

				TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160621 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160527 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160614 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20160601 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20160517 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160518 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160615 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 6

EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160526 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20160511 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160607 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SM PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20160930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RS PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 6
EP2579854 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160629 YEAR OF FEE PAYMENT : 6
EP2579854 B1	20150715	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2579854 B1	20150715	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2579854 B1	20150715	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2579854 B1	20150812	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2579854 B1	20150815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 736201

					COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150815
EP2579854 B1	20150827	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011017881 COUNTRY OF REF DOCUMENT : DE
EP2579854 B1	20150928	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2546767 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20150928
EP2579854 B1	20151013	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2579854 B1	20151214	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20150715
EP2579854 B1	20160304	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20150402036 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20151209
EP2579854 B1	20160415	LSOP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R026 REF DOCUMENT NUMBER : 602011017881 COUNTRY OF REF DOCUMENT : DE
EP2579854 B1	20160428	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E025758 COUNTRY OF REF DOCUMENT : HU
EP2579854 B1	20160525	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : KELTIE LLP EFFECTIVE DATE : 20160415
EP2579854 B1	20160525	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : TER MEER STEINMEISTER & PARTNER PATENTANWALTE MBB EFFECTIVE DATE : 20160415
EP2579854 B1	20160531	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2579854 B1	20160923	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1184068 COUNTRY OF REF DOCUMENT : HK
EP2579854 B1	20170228	LSPB	REG	REFERENCE TO A	REF COUNTRY CODE : SE

				NATIONAL CODE	REF LEGAL EVENT CODE : RPOT
EP2579854 B1	20170417	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : GB1A REF DOCUMENT NUMBER : E011082 COUNTRY OF REF DOCUMENT : EE
EP2579854 B1	20170518	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170323 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SM PAYMENT DATE : 20170331 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20170523 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20170515 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170424 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 7

EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20170605 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20170606 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170612 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170614 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RS PAYMENT DATE : 20170407 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170620 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 7

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EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20170404 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170705 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170623 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20170606 YEAR OF FEE PAYMENT : 7
EP2579854 B1	20180315	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : UEP REF DOCUMENT NUMBER : 736391 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150715
EP2579854 B1	20310609	PEXP		Calculated Patent Term Expiry	
EP2627651 A1	20130821	LSPB	+	published / reissued	
EP2627651 A1	20130821	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130412
EP2627651 A1	20140903	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20140730
EP2627651 A1	20150311	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
EP2627651 A1	20150520	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20141210
EP2628481 A1	20130821	LSPB	+	published / reissued	
EP2628481 A1	20140403	LSSES	+17P	REQUEST FOR	EFFECTIVE DATE : 20140220

				EXAMINATION FILED	
EP2628481 A1	20150114	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20141211
EP2628481 A1	20150902	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20150803
EP2628481 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160428 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160502 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160426 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160503 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160509 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160426 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160426 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20160426 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20160517 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160426 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160530 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160525 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160429 YEAR OF FEE PAYMENT : 7

EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20160503 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160429 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20160503 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20160428 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160503 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20160506 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20160517 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160429 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160531 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160426 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160523 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160428 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20160510 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 7
EP2628481 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160425 YEAR OF FEE PAYMENT : 7

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EP2628481 B1	20160224	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2628481 B1	20160224	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2628481 B1	20160229	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2628481 B1	20160315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 776296 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160315
EP2628481 B1	20160323	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2628481 B1	20160405	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2565536 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20160405
EP2628481 B1	20160407	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602010030806 COUNTRY OF REF DOCUMENT : DE
EP2628481 B1	20160428	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2628481 B1	20160523	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2628481 B1	20160530	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20160224
EP2628481 B1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160502 YEAR OF FEE PAYMENT : 7
EP2628481 B1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20160505 YEAR OF FEE PAYMENT : 7
EP2628481 B1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160517 YEAR OF FEE PAYMENT : 7
EP2628481 B1	20161003	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP

					REF DOCUMENT NUMBER : 20160400857 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20160628
EP2628481 B1	20161028	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1186415 COUNTRY OF REF DOCUMENT : HK
EP2628481 B1	20161125	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602010030806 COUNTRY OF REF DOCUMENT : DE
EP2628481 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SM 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 : 20160224
EP2628481 B1	20170130	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E028825 COUNTRY OF REF DOCUMENT : HU
EP2628481 B1	20170201	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20161125
EP2628481 B1	20170328	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : RPOT
EP2628481 B1	20170417	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : GB1A REF DOCUMENT NUMBER : E011881 COUNTRY OF REF DOCUMENT : EE
EP2628481 B1	20170518	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170323 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20170515 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170424 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8

EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170518 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170530 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20170605 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170614 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170620 YEAR OF FEE PAYMENT : 8

				OFFICE	
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170612 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20170608 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20170529 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20170404 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170526 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170907	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 602010030806 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: ABBVIE BAHAMAS LTD., NASSAU, NEW PROVIDENCE, BS
EP2628481 B1	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20170929	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170524 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20171027	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : ABBVIE IRELAND UNLIMITED COMPANY, BM REF LEGAL EVENT CODE : TP EFFECTIVE DATE : 20170921
EP2628481 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE

				ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20170623 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170705 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20170606 YEAR OF FEE PAYMENT : 8
EP2628481 B1	20300610	PEXP		Calculated Patent Term Expiry	
EP2651885 A1	20131023	LSPB	+	published / reissued	
EP2651885 A1	20131023	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130705
EP2651885 A1	20141008	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20140905
EP2651885 A1	20161013	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R003
EP2651885 A1	20170315	LSRV	-18R	REFUSED	EFFECTIVE DATE : 20161013
EP2678334 A1	20140101	LSPB	+	published / reissued	
EP2678334 A1	20140101	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130823
EP2678334 A1	20150311	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20150210
EP2678334 A1	20150311	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
EP2678334 A1	20161005	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20160907
EP2678334 B1	20170322	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2678334 B1	20170322	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2678334 B1	20170331	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2678334 B1	20170415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 877612 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170415
EP2678334 B1	20170419	LSAS	RAP2	TRANSFER OF RIGHTS OF AN EP GRANTED PATENT	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY

EP2678334 B1	20170419	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2678334 B1	20170504	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602012030119 COUNTRY OF REF DOCUMENT : DE
EP2678334 B1	20170713	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2624246 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20170713
EP2678334 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HR 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 : 20170322
EP2678334 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI 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 : 20170322
EP2678334 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR 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 : 20170623
EP2678334 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NO 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 : 20170622
EP2678334 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LT 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 : 20170322
EP2678334 B1	20170810	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2678334 B1	20170815	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 877612 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170322
EP2678334 B1	20170831	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : BG

				CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170622
EP2678334 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170322
EP2678334 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20170929	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE

				STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170322
EP2678334 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170724
EP2678334 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170722
EP2678334 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20180102	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602012030119 COUNTRY OF REF DOCUMENT : DE
EP2678334 B1	20180118	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2678334 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20180228	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180102
EP2678334 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170322
EP2678334 B1	20180413	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1187053 COUNTRY OF REF DOCUMENT : HK

EP2678334 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180125 YEAR OF FEE PAYMENT : 7
EP2678334 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180302 YEAR OF FEE PAYMENT : 7
EP2678334 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180207 YEAR OF FEE PAYMENT : 7
EP2678334 B1	20320224	PEXP		Calculated Patent Term Expiry	
EP2692346 A1	20140205	LSPB	+	published / reissued	
EP2692346 A1	20140618	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140508
EP2692346 A1	20150114	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20141212
EP2692346 A1	20150311	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
EP2692346 A1	20150527	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20150429
EP2692346 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160302 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20160927 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160929 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 A1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160928 YEAR OF FEE PAYMENT : 6

EP2692346 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20161011 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20151202	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2692346 B1	20151202	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2692346 B1	20151215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2692346 B1	20151215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 763292 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20151215
EP2692346 B1	20151230	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2692346 B1	20160114	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011021829 COUNTRY OF REF DOCUMENT : DE
EP2692346 B1	20160223	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2560842 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20160223
EP2692346 B1	20160302	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2692346 B1	20160411	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20151202
EP2692346 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LV 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 : 20151202
EP2692346 B1	20160617	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20160400274 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20160414
EP2692346 B1	20160728	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E026832 COUNTRY OF REF DOCUMENT : HU

EP2692346 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20151202
EP2692346 B1	20160905	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011021829 COUNTRY OF REF DOCUMENT : DE
EP2692346 B1	20160926	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20160921 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20160913 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20160921 YEAR OF FEE PAYMENT : 6
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EP2692346 B1	20161118	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1188717 COUNTRY OF REF DOCUMENT : HK
EP2692346 B1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20160927 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160927 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6

EP2692346 B1	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RS PAYMENT DATE : 20160930 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161230	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160927 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20161230	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20161025 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161031 YEAR OF FEE PAYMENT : 6
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EP2692346 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20161025 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20160921 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20161007 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160926 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20161007 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20161013 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20161020 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20161010 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20161011 YEAR OF FEE PAYMENT : 6

EP2692346 B1	20170228	LSFE	+PGFP	OFFICE POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20161007 YEAR OF FEE PAYMENT : 6
EP2692346 B1	20170328	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : RPOT
EP2692346 B1	20170417	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : GB1A REF DOCUMENT NUMBER : E011575 COUNTRY OF REF DOCUMENT : EE
EP2692346 B1	20170922	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171020	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CP TEXT : PRODUCT NAME: PIBRENTASVIR OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI; REGISTRATION NO/DATE: EU/1/17/1213 20170728 SUPPLEMENTARY PROTECTION CERTIFICATE : 17C1040 FILING DATE : 20171020
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170922 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170927 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170929 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170927 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20170926 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7

EP2692346 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170921 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171031	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FI REF LEGAL EVENT CODE : SPCF SUPPLEMENTARY PROTECTION CERTIFICATE : C20170049
EP2692346 B1	20171108	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: PIBRENTASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REGISTERED: UK EU/1/17/1213 20170728 SUPPLEMENTARY PROTECTION CERTIFICATE : SPC/GB17/056 FILING DATE : 20171016
EP2692346 B1	20171110	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: PIBRENTASVIRAS ARBA JO FARMACINIŲ POZIURIŲ PRIIMTINA DRUSKA; REGISTRATION NO/DATE: EU/1/17/1213 20170726 SUPPLEMENTARY PROTECTION CERTIFICATE : PA2017033 FILING DATE : 20171024 EXPIRY DATE : 20311012
EP2692346 B1	20171113	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: PIBRENTASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REG. NO/DATE: EU/1/17/1213 20170728 SUPPLEMENTARY PROTECTION CERTIFICATE : CR 2017 00049 FILING DATE : 20171027 EXTENSION DATE : 20320728 EXPIRY DATE : 20311012
EP2692346 B1	20171113	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : CTFF TEXT : PRODUCT NAME: PIBRENTASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REG. NO/DATE: EU/1/17/1213 20170728 SUPPLEMENTARY PROTECTION CERTIFICATE : CR 2017 00049 FILING DATE : 20171027 EXTENSION DATE : 20320728 EXPIRY DATE : 20311012
EP2692346 B1	20171115	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: PIBRENTASVIR; REGISTRATION NO/DATE: SWISSMEDIC 66472 22.09.2017 FILING DATE : 20171102
EP2692346 B1	20171116	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R065 REF DOCUMENT NUMBER : 602011021829 COUNTRY OF REF DOCUMENT : DE TEXT : PRODUCT NAME: PIBRENTASVIR

					ODER EIN PHARMAZEUTISCH VERTRAEGLICHES SALZ DAVON; REGISTRATION NO/DATE: EU/1/17/1213 20170726 SUPPLEMENTARY PROTECTION CERTIFICATE : 122017000074 FILING DATE : 20171012 EXPIRY DATE : 20311013
EP2692346 B1	20171120	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: PIBRENTASVIR ELLER ET; REG. NO/DATE: EU/1/17/1213 20170807 SUPPLEMENTARY PROTECTION CERTIFICATE : 2017057 FILING DATE : 20171110
EP2692346 B1	20171121	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: PIBRENTASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; REG. NO/DATE: EU/1/17/1213 20170728 SUPPLEMENTARY PROTECTION CERTIFICATE : 1790050-7
EP2692346 B1	20171128	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AA1S REF DOCUMENT NUMBER : E026832 COUNTRY OF REF DOCUMENT : HU SUPPLEMENTARY PROTECTION CERTIFICATE : S1700040 FILING DATE : 20171026
EP2692346 B1	20171129	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: PIBRENTASVIR OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF.; REGISTRATION NO/DATE: EU/1/17/1213 20170726 SUPPLEMENTARY PROTECTION CERTIFICATE : 2017/046 FILING DATE : 20171031
EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IS PAYMENT DATE : 20170913 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20171016 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170922 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20170921 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7

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EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RS PAYMENT DATE : 20170926 YEAR OF FEE PAYMENT : 7
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EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20171204	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SK REF LEGAL EVENT CODE : SPCF TEXT : PRODUCT NAME: PIBRENTASVIR VO VSETKYCH FORMACH CHRANENYCH ZAKLADNYM PATENTOM; REGISTRATION NO/DATE: EU/1/17/1213 20170728 SUPPLEMENTARY PROTECTION CERTIFICATE : 50017-2017 FILING DATE : 20171027
EP2692346 B1	20180131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7
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EP2692346 B1	20180131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20171027 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180215	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : AA1Y REF DOCUMENT NUMBER : E011575 COUNTRY OF REF DOCUMENT : EE TEXT : PRODUCT NAME: PIBRENTASVIIR; REG NO/DATE: EU/1/17/1213 28.07.2017 SUPPLEMENTARY PROTECTION CERTIFICATE : C20170036 FILING DATE : 20171026
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20171107 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170925 YEAR OF FEE PAYMENT : 7

EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20171016 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20171009 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20171017 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20171010 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20171025 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20171018 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20171005 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AL PAYMENT DATE : 20170929 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20170926 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20170920 YEAR OF FEE PAYMENT : 7
EP2692346 B1	20311012	PEXP		Calculated Patent Term Expiry	
EP2692346 B1	20311012	PEXP		Calculated Patent Term Expiry	
EP2692346 B1	20311013	PEXP		Calculated Patent Term Expiry	
EP2692346 B1	20320727	PEXP		Calculated Patent Term Expiry	
EP2692346 B1	20320728	PEXP		Calculated Patent Term Expiry	
EP2692726 A1	20140205	LSPB	+	published / reissued	
EP2692726 A1	20140827	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140716
EP2692726 A1	20150311	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.

EP2692726 A1	20150603	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20150504
EP2692726 A1	20170426	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY
EP2853531 A2	20150401	LSPB	+	published / reissued	
EP2853531 A2	20150401	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141028
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 403/14 20060101AFI20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61P 31/14 20060101ALN20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 401/14 20060101ALI20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C07D 417/14 20060101ALI20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4196 20060101ALN20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4025 20060101ALN20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4178 20060101ALN20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4184 20060101ALN20150707BHEP
EP2853531 A2	20150812	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/4439 20060101ALN20150707BHEP
EP2853531 A2	20160323	LSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTION)	EFFECTIVE DATE : 20160212
EP2853531 A2	20160629	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160525
EP2853531 A2	20170517	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20161206
EP2954892 A1	20151216	LSPB	+	published / reissued	
EP2954892 A1	20161019	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160905

EP2954892 A1	20161026	LSSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTION)	EFFECTIVE DATE : 20160905
EP2954892 A1	20170517	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : ABBVIE IRELAND UNLIMITED COMPANY
EP2954892 A1	20180117	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20171219
ES2414934 T3	20130723	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2414934 T3	20300610	PEXP		Calculated Patent Term Expiry	
ES2511440 T3	20141022	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2511440 T3	20300610	PEXP		Calculated Patent Term Expiry	
ES2526908 T3	20150116	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2526908 T3	20300610	PEXP		Calculated Patent Term Expiry	
ES2546767 T3	20150928	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2546767 T3	20310609	PEXP		Calculated Patent Term Expiry	
ES2560842 T3	20160223	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2560842 T3	20311012	PEXP		Calculated Patent Term Expiry	
ES2565536 T3	20160405	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2565536 T3	20300610	PEXP		Calculated Patent Term Expiry	
ES2624246 T3	20170713	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2624246 T3	20320224	PEXP		Calculated Patent Term Expiry	
GC5386 A	20170416	LSGT	+	granted / extensions (spc, cpc, pte)	
GC5386 A	20310608	PEXP		Calculated Patent Term Expiry	
GT201100074 A	20130911	LSPB	+	published / reissued	
GT201200332 A	20141106	LSPB	+	published / reissued	
GT201300093 A	20140429	LSPB	+	published / reissued	
GT201300093A A	20150708	LSPB	+	published / reissued	
HK1152620 A1	20141024	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1152620 A1	20310805	PEXP		Calculated Patent	

Term Expiry				
HK1161245 A1	20140307	LSGT	+	granted / extensions (spc, cpc, pte)
HK1161245 A1	20310805	PEXP		Calculated Patent Term Expiry
HK1170739 A1	20151016	LSGT	+	granted / extensions (spc, cpc, pte)
HK1170739 A1	20310805	PEXP		Calculated Patent Term Expiry
HK1184068 A1	20160923	LSGT	+	granted / extensions (spc, cpc, pte)
HK1184068 A1	20331016	PEXP		Calculated Patent Term Expiry
HK1186415 A1	20161028	LSGT	+	granted / extensions (spc, cpc, pte)
HK1186415 A1	20310805	PEXP		Calculated Patent Term Expiry
HK1188717 A1	20161118	LSGT	+	granted / extensions (spc, cpc, pte)
HK1188717 A1	20340225	PEXP		Calculated Patent Term Expiry
HR20130671 T1	20131011	LSPB	+	published / reissued
HR20150017 T1	20150424	LSPB	+	published / reissued
HR20150926 T1	20151009	LSPB	+	published / reissued
HR20151389 T1	20160115	LSPB	+	published / reissued
HR20160408 T1	20160520	LSPB	+	published / reissued
HU025758 T2	20160428	LSPB	+	published / reissued
HU026832 T2	20160728	LSPB	+	published / reissued
HU028825 T2	20170130	LSPB	+	published / reissued
IL211792 A0	20150129	LSGT	+FF	PATENT GRANTED
IL211792 A0	20150226	LSFE	+KB	PATENT RENEWED
IL211792 A0	20160630	LSFE	+KB	PATENT RENEWED
IL211792 A1	20140930	LSPB	+	published / reissued
IL211792 A1	20150129	LSGT	+FF	PATENT GRANTED
IL211792 A1	20150226	LSFE	+KB	PATENT RENEWED
IL211792 A1	20160630	LSFE	+KB	PATENT RENEWED
IL223535 A1	20170228	LSPB	+	published / reissued
IL225010 A1	20160421	LSPB	+	published / reissued
IL225010 A1	20160831	LSGT	+FF	PATENT GRANTED
IL225010 A1	20160929	LSFE	+KB20	PATENT RENEWED FOR 20 YEARS
IL229248 A0	20141030	LSGT	+FF	PATENT GRANTED

IL229248 A0	20141130	LSFE	+KB	PATENT RENEWED	
IL229248 A0	20160630	LSFE	+KB	PATENT RENEWED	
IL229248 A1	20140630	LSPB	+	published / reissued	
IL229248 A1	20141030	LSGT	+FF	PATENT GRANTED	
IL229248 A1	20141130	LSFE	+KB	PATENT RENEWED	
IL229248 A1	20160630	LSFE	+KB	PATENT RENEWED	
IL233857 A0	20160929	LSGT	+FF	PATENT GRANTED	
IL233857 A0	20161130	LSFE	+KB	PATENT RENEWED	
IL233857 A1	20160531	LSPB	+	published / reissued	
IL233857 A1	20160929	LSGT	+FF	PATENT GRANTED	
IL233857 A1	20161130	LSFE	+KB	PATENT RENEWED	
IL234781 A1	20160731	LSPB	+	published / reissued	
IL234781 A1	20161130	LSGT	+FF	PATENT GRANTED	
IL234781 A1	20161130	LSFE	+KB	PATENT RENEWED	
IN00486KN2013 A	20160826	LSPB	+	published / reissued	
IN01310DN2013 A	20140926	LSPB	+	published / reissued	
IN01423KN2013 A	20130927	LSPB	+	published / reissued	
IN01475KN2011 A	20110729	LSPB	+	published / reissued	
IN11220DN2012 A	20141031	LSPB	+	published / reissued	
JP2012529534 T2	20121122	LSPB	+	published / reissued	
JP2012529534 T2	20130904	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130903
JP2012529534 T2	20131003	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20131002
JP2012529534 T2	20131102	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20131101
JP2012529534 T2	20140327	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	
JP2012529534 T2	20140402	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20140401
JP2012529534 T2	20140424	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES / DURING GRANT	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20140418

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JP2012529534 T2	20140425	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5530514 COUNTRY OF REF DOCUMENT : JP
JP2013528225 T2	20130708	LSPB	+	published / reissued	
JP2013528225 T2	20130403	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20121212
JP2013528225 T2	20131227	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20131226
JP2013528225 T2	20141113	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20141112
JP2013528225 T2	20141202	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20141112
JP2013528225 T2	20150107	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150106
JP2013528225 T2	20150402	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150402
JP2013528225 T2	20150828	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013528225 T2	20150902	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20150901
JP2013528225 T2	20150924	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20150917
JP2013528225 T2	20151002	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5814356 COUNTRY OF REF DOCUMENT : JP
JP2013539791 T2	20131028	LSPB	+	published / reissued	
JP2013539791 T2	20141011	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141010
JP2013539791 T2	20141011	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20141010

JP2013539791 T2	20150309	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20150309
JP2013539791 T2	20150325	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20150309
JP2013539791 T2	20150722	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150721
JP2013539791 T2	20150902	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150902
JP2013539791 T2	20151002	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013539791 T2	20151007	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20151006
JP2013539791 T2	20151105	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20151030
JP2013539791 T2	20151106	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5834085 COUNTRY OF REF DOCUMENT : JP
JP2014065710 A2	20140417	LSPB	+	published / reissued	
JP2014144973 A2	20140814	LSPB	+	published / reissued	
JP2014504296 T2	20140220	LSPB	+	published / reissued	
JP2014504296 T2	20141226	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20141215
JP2014504296 T2	20150902	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150901
JP2014504296 T2	20160126	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160126
JP2014504296 T2	20160216	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	
JP2014504296 T2	20160224	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160223
JP2014504296 T2	20160224	LSFE	+A61	FIRST PAYMENT OF	TEXT : JAPANESE INTERMEDIATE CODE: A61

				ANNUAL FEES (DURING GRANT PROCEDURE)	EFFECTIVE DATE : 20160318
JP2014504296 T2	20160325	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5906253 COUNTRY OF REF DOCUMENT : JP
JP2014510063 T2	20140424	LSPB	+	published / reissued	
JP2014510063 T2	20150223	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20150223
JP2014510063 T2	20150309	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20150309
JP2014510063 T2	20151105	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20151104
JP2014510063 T2	20160628	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160628
JP2016106075 A2	20160616	LSPB	+	published / reissued	
JP2016106075 A2	20160920	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160920
JP2016106075 A2	20170224	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20170224
JP2016106075 A2	20170317	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170317
JP2016106075 A2	20170523	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20170523
JP2016106075 A2	20180130	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20180130
JP2016128456 A2	20160714	LSPB	+	published / reissued	
JP2016128456 A2	20161004	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A132 EFFECTIVE DATE : 20161004
JP2016128456 A2	20161228	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	TEXT : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20161228
JP2016128456 A2	20170224	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20170224

JP2016128456 A2	20170314	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	
JP2016128456 A2	20170411	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170411
JP2016128456 A2	20170615	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170612
JP2016128456 A2	20170616	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6159830 COUNTRY OF REF DOCUMENT : JP
JP2017171680 A2	20170928	LSPB	+	published / reissued	
JP2017171680 A2	20170707	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170707
JP2017171680 A2	20170707	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170707
JP2017171680 A2	20180227	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A132 EFFECTIVE DATE : 20180227
JP5530514 B2	20140625	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5530514 B2	20140403	LSGT	+A01	特許査定書 Decision of patent grant	
JP5530514 B2	20140422	LSFE	R100	特許料納付書 Patent fee payment form	
JP5530514 B2	20140425	LSGT	+R150	特許証 Patent certificate	
JP5530514 B2	20170302	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP5530514 B2	20170310	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP5530514 B2	20170406	LSFE	R20	特許料納付書 Patent fee payment form	
JP5530514 B2	20170418	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5530514 B2	20170817	LSGT	+A01	特許査定書 Decision of patent grant	

JP5530514 B2	20170823	LSGT	R153	特許存続期間延長登録通知書 Extended registration notice for patent duration	
JP5530514 B2	20170823	LSGT	+R153	GRANT OF PATENT TERM EXTENSION	TEXT : JAPANESE INTERMEDIATE CODE: R153
JP5530514 B2	20180405	LSFE	R20	特許料納付書 Patent fee payment form	
JP5530514 B2	20180412	LSGT	+A01	特許査定書 Decision of patent grant	
JP5530514 B2	20180417	LSLE	R280	納付書補充指令書 Payment refilling order form	
JP5530514 B2	20180418	LSGT	R153	特許存続期間延長登録通知書 Extended registration notice for patent duration	
JP5530514 B2	20180419	LSFE	R21	特許料納付書 (補充) Patent fee payment form (replenishment)	
JP5530514 B2	20300610	PEXP		Calculated Patent Term Expiry	
JP5814356 B2	20151117	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5814356 B2	20150903	LSGT	+A01	特許査定書 Decision of patent grant	
JP5814356 B2	20150918	LSFE	R100	特許料納付書 Patent fee payment form	
JP5814356 B2	20151002	LSGT	+R150	特許証 Patent certificate	
JP5814356 B2	20170302	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP5814356 B2	20170310	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP5814356 B2	20180412	LSGT	+A01	特許査定書 Decision of patent grant	
JP5814356 B2	20180418	LSGT	R153	特許存続期間延長登録通知書 Extended registration notice for patent duration	
JP5814356 B2	20310609	PEXP		Calculated Patent Term Expiry	
JP5834085 B2	20151216	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5834085 B2	20151008	LSGT	+A01	特許査定書 Decision of patent grant	

JP5834085 B2	20151102	LSFE	R100	特許料納付書 Patent fee payment form	
JP5834085 B2	20151106	LSGT	+R150	特許証 Patent certificate	
JP5834085 B2	20170302	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP5834085 B2	20170310	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP5834085 B2	20311012	PEXP		Calculated Patent Term Expiry	
JP5906253 B2	20160420	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5906253 B2	20160225	LSGT	+A01	特許査定書 Decision of patent grant	
JP5906253 B2	20160322	LSFE	R100	特許料納付書 Patent fee payment form	
JP5906253 B2	20160325	LSGT	+R150	特許証 Patent certificate	
JP5906253 B2	20311216	PEXP		Calculated Patent Term Expiry	
JP5911838 B2	20160427	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5911838 B2	20141224	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20141222
JP5911838 B2	20150319	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150319
JP5911838 B2	20150916	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20150915
JP5911838 B2	20160114	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160114
JP5911838 B2	20160202	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20160115
JP5911838 B2	20160208	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20160205
JP5911838 B2	20160222	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	

JP5911838 B2	20160302	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160301
JP5911838 B2	20160303	LSGT	+A01	特許査定書 Decision of patent grant	
JP5911838 B2	20160405	LSFE	R100	特許料納付書 Patent fee payment form	
JP5911838 B2	20160407	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160330
JP5911838 B2	20160408	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5911838 COUNTRY OF REF DOCUMENT : JP
JP5911838 B2	20170302	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP5911838 B2	20170310	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP5911838 B2	20331101	PEXP		Calculated Patent Term Expiry	
JP5922699 B2	20160524	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5922699 B2	20140517	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140516
JP5922699 B2	20140517	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140516
JP5922699 B2	20150430	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150428
JP5922699 B2	20151027	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151027
JP5922699 B2	20160328	LSGT	+TRD D	DECISION OF GRANT OR REJECTION WRITTEN	
JP5922699 B2	20160405	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160405
JP5922699 B2	20160407	LSGT	+A01	特許査定書 Decision of patent grant	

JP5922699 B2	20160419	LSFE	R100	特許料納付書 Patent fee payment form	
JP5922699 B2	20160421	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160414
JP5922699 B2	20160422	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5922699 COUNTRY OF REF DOCUMENT : JP
JP5922699 B2	20170302	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP5922699 B2	20170310	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP5922699 B2	20340417	PEXP		Calculated Patent Term Expiry	
JP6159830 B2	20170705	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6159830 B2	20170413	LSGT	+A01	特許査定書 Decision of patent grant	
JP6159830 B2	20170613	LSFE	R100	特許料納付書 Patent fee payment form	
JP6159830 B2	20170616	LSGT	+R150	特許証 Patent certificate	
JP6159830 B2	20360114	PEXP		Calculated Patent Term Expiry	
KR101452916 B1	20141024	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101452916 B1	20110426	LSRE	AMND	AMENDMENT	
KR101452916 B1	20120620	LSES	A201	REQUEST FOR EXAMINATION	
KR101452916 B1	20120620	LSRE	AMND	AMENDMENT	
KR101452916 B1	20131231	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101452916 B1	20140207	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR101452916 B1	20140228	LSRE	AMND	AMENDMENT	
KR101452916 B1	20140730	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR101452916 B1	20140901	LSRE	AMND	AMENDMENT	

KR101452916 B1	20140918	LSGT	+X701	DECISION TO GRANT (AFTER RE- EXAMINATION)	
KR101452916 B1	20141014	LSGT	+GRN T	WRITTEN DECISION TO GRANT	
KR101452916 B1	20170619	LSGT	A101	APPLICATION TO EXTEND TERM OF PATENT RIGHT BY PERMIT	
KR101452916 B1	20170928	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170929 YEAR OF FEE PAYMENT : 4
KR101452916 B1	20300610	PEXP		Calculated Patent Term Expiry	
KR101481395 B1	20150113	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101481395 B1	20130124	LSES	A201	REQUEST FOR EXAMINATION	
KR101481395 B1	20130124	LSRE	AMND	AMENDMENT	
KR101481395 B1	20170619	LSGT	A101	APPLICATION TO EXTEND TERM OF PATENT RIGHT BY PERMIT	
KR101481395 B1	20171228	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20171228 YEAR OF FEE PAYMENT : 4
KR101481395 B1	20310609	PEXP		Calculated Patent Term Expiry	
KR101586215 B1	20160118	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101586215 B1	20140904	LSES	A201	REQUEST FOR EXAMINATION	
KR101586215 B1	20150312	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR101586215 B1	20151209	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101586215 B1	20160112	LSGT	+GRN T	WRITTEN DECISION TO GRANT	
KR101586215 B1	20311012	PEXP		Calculated Patent Term Expiry	
KR101677481 B1	20161118	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101677481 B1	20300610	PEXP		Calculated Patent Term Expiry	
KR101831154 B1	20180226	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101831154 B1	20311012	PEXP		Calculated Patent Term Expiry	
KR101831154 B1	20131024	LSGP	+	published / refused	

A				
KR20130053440 A	20130523	LSPB	+	published / reissued
KR20130053440 A	20140228	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL
KR20130053440 A	20140404	LSRE	AMND	AMENDMENT
KR20130053440 A	20140826	LSRV	-E601	DECISION TO REFUSE APPLICATION
KR20130053440 A	20141114	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT
KR20130053440 A	20141126	LSRE	AMND	AMENDMENT
KR20130053440 A	20141216	LSGT	+X701	DECISION TO GRANT (AFTER RE-EXAMINATION)
KR20130053440 A	20150106	LSGT	+GRN T	WRITTEN DECISION TO GRANT
KR20140032338 A	20140314	LSPB	+	published / reissued
KR20140037974 A	20140327	LSPB	+	published / reissued
KR20140037974 A	20150609	LSES	A201	REQUEST FOR EXAMINATION
KR20140037974 A	20150902	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL
KR20140037974 A	20160428	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL
KR20140037974 A	20161114	LSGT	+GRN T	WRITTEN DECISION TO GRANT
KR20140143152 A	20141215	LSPB	+	published / reissued
KR20140143152 A	20150312	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT
KR20140143152 A	20170113	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL
KR20140143152 A	20170821	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT
KR20140143152 A	20171113	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT
KR20150008151 A	20150121	LSPB	+	published / reissued
KR20150008151 A	20161221	LSES	-E902	NOTIFICATION OF

A				REASON FOR REFUSAL	
KR20150008151 A	20170421	LSRE	AMND	AMENDMENT	
KR20150008151 A	20170821	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR20150008151 A	20170830	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR20150008151 A	20171026	LSRE	AMND	AMENDMENT	
KR20180023014 A	20180306	LSPB	+	published / reissued	
KR20180026775 A	20180313	LSPB	+	published / reissued	
MX2011005673 A 1	20110620	LSPB	+	published / reissued	
MX2011005673 A 1	20131011	LSGT	+FG	GRANT OR REGISTRATION	
MX2011005673 A 1	20141210	LSAS	GB	TRANSFER OR ASSIGNMENT	
MX2011005673 A 1	20141210	LSAS	PD	CHANGE OF PROPRIETORSHIP	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
MX2011005673 A 1	20150420	LSLI	GD	LICENCE GRANTED	
MX2012014384 A 1	20130501	LSPB	+	published / reissued	
MX2012014384 A 1	20141114	LSGT	+FG	GRANT OR REGISTRATION	
MX2012014384 A 1	20150615	LSAS	PD	CHANGE OF PROPRIETORSHIP	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD.
MX2013004150 A 1	20130902	LSPB	+	published / reissued	
MX2013004150 A 1	20161205	LSGT	+FG	GRANT OR REGISTRATION	
MX2013006951 A 1	20131003	LSPB	+	published / reissued	
MX2013009763 A 1	20140131	LSPB	+	published / reissued	
MX2013009763 A 1	20170313	LSGT	+FG	GRANT OR REGISTRATION	
MX339989 B	20160621	LSGT	+	granted / extensions (spc, cpc, pte)	
MX339989 B	20310527	PEXP		Calculated Patent Term Expiry	
MX344092 B	20161205	LSGT	+	granted / extensions (spc, cpc, pte)	

MX344092 B	20311012	PEXP		Calculated Patent Term Expiry	
MX346264 B	20170313	LSGT	+	granted / extensions (spc, cpc, pte)	
MX346264 B	20320224	PEXP		Calculated Patent Term Expiry	
MY164064 A	20171115	LSGT	+	granted / extensions (spc, cpc, pte)	
MY164064 A	20311012	PEXP		Calculated Patent Term Expiry	
NO2015012 I1	20150504	LSLE	- MK1K	EXPIRY	
NZ591973 A	20130328	LSPB	+	published / reissued	
NZ591973 A	20130628	LSAS	ASS	CHANGE OF OWNERSHIP	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD., BS EFFECTIVE DATE : 20130627
NZ591973 A	20130726	LSGT	+PSEA	PATENT SEALED	
NZ591973 A	20140328	LSFE	+REN W	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 10 JUN 2017 BY THOMSON REUTERS EFFECTIVE DATE : 20140320
NZ591973 A	20170630	LSFE	+REN W	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 10 JUN 2018 BY THOMSON REUTERS EFFECTIVE DATE : 20170527
NZ606645 A	20140926	LSPB	+	published / reissued	
NZ606645 A	20150130	LSGT	+PSEA	PATENT SEALED	
NZ606645 A	20150227	LSAS	ASS	CHANGE OF OWNERSHIP	PARTYTYPE : OWNER OWNER : ABBVIE BAHAMAS LTD., BS EFFECTIVE DATE : 20150219
NZ606645 A	20150925	LSFE	+REN W	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 OCT 2016 BY THOMSON REUTERS EFFECTIVE DATE : 20150922
NZ606645 A	20160930	LSFE	+REN W	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 OCT 2017 BY THOMSON REUTERS EFFECTIVE DATE : 20160909
NZ606645 A	20170929	LSFE	+REN W	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 12 OCT 2018 BY THOMSON REUTERS EFFECTIVE DATE : 20170919
NZ715562 A	20170929	LSPB	+	published / reissued	
NZ715562 A	20180126	LSGT	+PSEA	PATENT SEALED	
NZ715562 A	20180223	LSFE	+REN W	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 12 OCT 2018 BY SPRUSON + FERGUSON EFFECTIVE DATE : 20180131

PE00382014 A1	20140220	LSPB	+	published / reissued
PE00382014 A1	20170331	LSGT	+FG	GRANT, REGISTRATION
PE06792011 A1	20111020	LSPB	+	published / reissued
PE06792011 A1	20150130	LSGT	+FG	GRANT, REGISTRATION
PE08352014 A1	20140815	LSPB	+	published / reissued
PE10362013 A1	20131020	LSPB	+	published / reissued
PE10362013 A1	20171011	LSGT	+FG	GRANT, REGISTRATION
PE10832014 A1	20141003	LSPB	+	published / reissued
PE10832014 A1	20171011	LSGT	+FG	GRANT, REGISTRATION
PH2015500289 A	20150907	LSPB	+	published / reissued
PH2015500289 B	20150907	LSGT	+	granted / extensions (spc, cpc, pte)
PT2368890 T	20130717	LSGT	+	granted / extensions (spc, cpc, pte)
PT2368890 T	20300610	PEXP		Calculated Patent Term Expiry
PT2455376 T	20150304	LSGT	+	granted / extensions (spc, cpc, pte)
PT2455376 T	20300610	PEXP		Calculated Patent Term Expiry
PT2579854 T	20151016	LSGT	+	granted / extensions (spc, cpc, pte)
PT2579854 T	20310609	PEXP		Calculated Patent Term Expiry
PT2692346 T	20160322	LSGT	+	granted / extensions (spc, cpc, pte)
PT2692346 T	20311012	PEXP		Calculated Patent Term Expiry
RS52854 B	20131231	LSGT	+	granted / extensions (spc, cpc, pte)
RS52854 B	20300610	PEXP		Calculated Patent Term Expiry
RS53856 B1	20150831	LSGT	+	granted / extensions (spc, cpc, pte)
RS53856 B1	20300610	PEXP		Calculated Patent Term Expiry
RS54282 B1	20160229	LSGT	+	granted / extensions (spc, cpc, pte)
RS54282 B1	20310609	PEXP		Calculated Patent Term Expiry
RS54619 B1	20160831	LSGT	+	granted / extensions (spc, cpc, pte)
RS54619 B1	20311012	PEXP		Calculated Patent Term Expiry

Term Expiry				
RS54790 B1	20161031	LSGT	+	granted / extensions (spc, cpc, pte)
RS54790 B1	20300610	PEXP		Calculated Patent Term Expiry
SG10201702522U A1	20170530	LSPB	+	published / reissued
SG171708 A1	20110728	LSPB	+	published / reissued
SG186251 A1	20130130	LSPB	+	published / reissued
SG188951 A1	20130531	LSPB	+	published / reissued
SI2368890 T1	20130830	LSGT	+	granted / extensions (spc, cpc, pte)
SI2368890 T1	20300610	PEXP		Calculated Patent Term Expiry
SI2455376 T1	20150331	LSGT	+	granted / extensions (spc, cpc, pte)
SI2455376 T1	20300610	PEXP		Calculated Patent Term Expiry
SI2579854 T1	20150930	LSGT	+	granted / extensions (spc, cpc, pte)
SI2579854 T1	20310609	PEXP		Calculated Patent Term Expiry
SI2628481 T1	20160831	LSGT	+	granted / extensions (spc, cpc, pte)
SI2628481 T1	20300610	PEXP		Calculated Patent Term Expiry
SI2692346 T1	20160331	LSGT	+	granted / extensions (spc, cpc, pte)
SI2692346 T1	20311012	PEXP		Calculated Patent Term Expiry
SMT201500263 B	20160108	LSGT	+	granted / extensions (spc, cpc, pte)
SMT201500263 B	20351023	PEXP		Calculated Patent Term Expiry
TH139648 A	20150220	LSPB	+	published / reissued
TH150551 A	20160314	LSPB	+	published / reissued
TW201102063 A	20110116	LSPB	+	published / reissued
TW201204713 A	20120201	LSPB	+	published / reissued
TW201238948 A	20121001	LSPB	+	published / reissued
TW201247648 A	20121201	LSPB	+	published / reissued
TW201334778 A	20130901	LSPB	+	published / reissued
TW201347759 A	20131201	LSPB	+	published / reissued
TW201412707 A	20140401	LSPB	+	published / reissued
TW201519891 A	20150601	LSPB	+	published / reissued

TWI402070 B	20130721	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI402070 B	20300610	PEXP		Calculated Patent Term Expiry	
TWI419874 B	20131221	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI419874 B	20311012	PEXP		Calculated Patent Term Expiry	
TWI469780 B	20150121	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI469780 B	20300610	PEXP		Calculated Patent Term Expiry	
TWI486159 B	20150601	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI486159 B	20300610	PEXP		Calculated Patent Term Expiry	
TWI487700 B	20150611	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI487700 B	20310609	PEXP		Calculated Patent Term Expiry	
TWI586660 B	20170611	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI586660 B	20320224	PEXP		Calculated Patent Term Expiry	
TWI621611 B	20180421	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI621611 B	20311012	PEXP		Calculated Patent Term Expiry	
UA103052 C2	20130910	LSGT	+	granted / extensions (spc, cpc, pte)	
UA103052 C2	20300610	PEXP		Calculated Patent Term Expiry	
UA105434 C2	20140512	LSGT	+	granted / extensions (spc, cpc, pte)	
UA105434 C2	20310609	PEXP		Calculated Patent Term Expiry	
UA108904 C2	20150625	LSGT	+	granted / extensions (spc, cpc, pte)	
UA108904 C2	20300610	PEXP		Calculated Patent Term Expiry	
UA113048 C2	20161212	LSGT	+	granted / extensions (spc, cpc, pte)	
UA113048 C2	20311012	PEXP		Calculated Patent Term Expiry	
US2010317568 A	20101216	LSPB	+	published / reissued	
US2011092415 A	20110421	LSPB	+	published / reissued	
US2011092415 A	20110106	LSAC	AS	ASSIGNMENT	PARTYTYPE : OWNER

A					OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEGOEY, DAVID A.; HUTCHINS, CHARLES W.; KRUEGER, ALLAN C.; AND OTHERS; SIGNING DATES FROM 20101129 TO 20101221; REEL/FRAME:025593/0547
US2011092415 A A	20110819	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GAO, YI; REEL/FRAME:026775/0510 EFFECTIVE DATE : 20110816
US2011092415 A A	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0198 EFFECTIVE DATE : 20120801
US2011092415 A A	20140714	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011207699 A A	20110825	LSPB	+	published / reissued	
US2011207699 A A	20110505	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; AND OTHERS; SIGNING DATES FROM 20110301 TO 20110415; REEL/FRAME:026231/0660
US2011207699 A A	20110819	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GAO, YI; REEL/FRAME:026775/0499 EFFECTIVE DATE : 20110816
US2011207699 A A	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0198 EFFECTIVE DATE : 20120801
US2012004196 A A	20120105	LSPB	+	published / reissued	
US2012172290 A A	20120705	LSPB	+	published / reissued	
US2012172290 A A	20120314	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KRUEGER, ALLAN C.; KATI, WARREN M.; CARROLL, WILLIAM A.; AND OTHERS; SIGNING DATES FROM 20120302 TO 20120311; REEL/FRAME:027864/0215

US2012172290 A	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0222 EFFECTIVE DATE : 20120801
US2012220562 A	20120830	LSPB	+	published / reissued	
US2012220562 A	20120425	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEGOEY, DAVID A; KATI, WARREN M; HUTCHINS, CHARLES W; AND OTHERS; SIGNING DATES FROM 20120321 TO 20120407; REEL/FRAME:028101/0490
US2012220562 A	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0198 EFFECTIVE DATE : 20120801
US2012220562 A	20141020	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012258909 A	20121011	LSPB	+	published / reissued	
US2012264780 A	20121018	LSPB	+	published / reissued	
US2012264780 A	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0222 EFFECTIVE DATE : 20120801
US2014171481 A	20140619	LSPB	+	published / reissued	
US2014171481 A	20140530	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT GMBH & CO. KG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIEPOLD, BERND; JUNG, TINA; HOLIG, PETER; AND OTHERS; SIGNING DATES FROM 20110826 TO 20110829; REEL/FRAME:033000/0229
US2014171481 A	20140530	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEVER, NANCY E.; LAFONTAINE, JUSTIN S.; SINCLAIR, BRENT D.; AND OTHERS; SIGNING DATES FROM 20110819 TO 20120314; REEL/FRAME:033000/0293
US2014171481 A	20140530	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS

					INTEREST; ASSIGNOR:ABBOTT GMBH & CO.KG; REEL/FRAME:033000/0270 EFFECTIVE DATE : 20110823
US2014171481 A	20140530	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:033000/0301 EFFECTIVE DATE : 20120801
US2014171481 A	20150714	LSWD	-EAB1	Expressly Abandoned -- During Examination	
US2014315792 A	20141023	LSPB	+	published / reissued	
US2014315792 A	20150128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIU, DACHUN; PRATT, JOHN K.; LAVIN, MICHAEL J.; AND OTHERS; SIGNING DATES FROM 20100720 TO 20100730; REEL/FRAME:034829/0086
US2014315792 A	20150128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; AND OTHERS; SIGNING DATES FROM 20100720 TO 20100803; REEL/FRAME:034828/0641
US2014315792 A	20150128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:034828/0598 EFFECTIVE DATE : 20120801
US2014315792 A	20150206	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GAO, YI; REEL/FRAME:034906/0171 EFFECTIVE DATE : 20110816
US2015087618 A	20150326	LSPB	+	published / reissued	
US2015218194 A	20150806	LSPB	+	published / reissued	
US2015218194 A	20150826	LSES	NFA1	Non Final Action Mailed	
US2015218194 A	20161017	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2017157104 A	20170608	LSPB	+	published / reissued	
US2017157104 A	20170516	LSES	NFA1	Non Final Action Mailed	

US2017157104 A	20180409	LSES	+NAM 1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017157105 A	20170608	LSPB	+	published / reissued	
US2017157105 A	20170510	LSES	NFA1	Non Final Action Mailed	
US2017157105 A	20171130	LSES	+ALW 2	Allowed -- Notice of Allowance Not Yet Mailed	
US2017157105 A	20171201	LSES	+NAM 1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017157105 A	20171210	LSFE	- AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2017157105 A	20180107	LSES	+NAM 1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017157105 A	20180320	LSES	+ALW 2	Allowed -- Notice of Allowance Not Yet Mailed	
US2017157105 A	20180322	LSES	+NAM 1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018022763 A	20180125	LSPB	+	published / reissued	
US2018022763 A	20171222	LSES	NFA1	Non Final Action Mailed	
US2018022763 A	20180416	LSES	+NAM 1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US8686026 BB	20140401	LSGT	+	granted / extensions (spc, cpc, pte)	
US8686026 BB	20120316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT GMBH & CO. KG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIEPOLD, BERND; JUNG, TINA; HOLIG, PETER; AND OTHERS; SIGNING DATES FROM 20110826 TO 20110829; REEL/FRAME:027876/0034
US8686026 BB	20120316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT GMBH & CO. KG; REEL/FRAME:027876/0053 EFFECTIVE DATE : 20110823
US8686026 BB	20120316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEVER, NANCY E.

					LAFOUNTAIN, JUSTIN S.; SINCLAIR, BRENT D.; AND OTHERS; SIGNING DATES FROM 20110819 TO 20120314; REEL/FRAME:027876/0016
US8686026 BB	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0222 EFFECTIVE DATE : 20120801
US8686026 BB	20140312	LSGT	PAT1	Patented Case	
US8686026 BB	20170914	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8686026 BB	20310609	PEXP		Calculated Patent Term Expiry	
US8691938 BB	20140408	LSGT	+	granted / extensions (spc, cpc, pte)	
US8691938 BB	20100806	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEGOEY, DAVID A.; HUTCHINS, CHARLES W.; KRUEGER, ALLAN C.; AND OTHERS; SIGNING DATES FROM 20100720 TO 20100803; REEL/FRAME:024802/0293
US8691938 BB	20110819	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GAO, YI; REEL/FRAME:026775/0513 EFFECTIVE DATE : 20110816
US8691938 BB	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0198 EFFECTIVE DATE : 20120801
US8691938 BB	20140319	LSGT	PAT1	Patented Case	
US8691938 BB	20170914	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8691938 BB	20320413	PEXP		Calculated Patent Term Expiry (PTA 673 days)	
US8716454 BB	20140506	LSGT	+	granted / extensions (spc, cpc, pte)	
US8716454 BB	20120316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT GMBH & CO. KG; REEL/FRAME:027876/0138 EFFECTIVE DATE : 20110823
US8716454 BB	20120316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS

					OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GAO, YI; WU, JIANWEI; ERICKSON, BRYAN K.; REEL/FRAME:027876/0102 EFFECTIVE DATE : 20110819
US8716454 BB	20120316	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT GMBH & CO. KG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KULLMANN, SIMON; WESTEDT, ULRICH; PAULI, MIRKO; AND OTHERS; SIGNING DATES FROM 20110823 TO 20110907; REEL/FRAME:027876/0108
US8716454 BB	20140416	LSGT	PAT1	Patented Case	
US8716454 BB	20171016	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8716454 BB	20320218	PEXP		Calculated Patent Term Expiry (PTA 254 days)	
US8921514 BB	20141230	LSGT	+	granted / extensions (spc, cpc, pte)	
US8921514 BB	20141210	LSGT	PAT1	Patented Case	
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US8937150 BB	20150120	LSGT	+	granted / extensions (spc, cpc, pte)	
US8937150 BB	20110909	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBOTT LABORATORIES, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEGOEY, DAVID A.; KATI, WARREN M.; HUTCHINS, CHARLES W.; AND OTHERS; SIGNING DATES FROM 20110720 TO 20110908; REEL/FRAME:026881/0855
US8937150 BB	20130402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ABBOTT LABORATORIES; REEL/FRAME:030137/0198 EFFECTIVE DATE : 20120801
US8937150 BB	20141230	LSGT	PAT1	Patented Case	
US8937150 BB	20320518	PEXP		Calculated Patent Term Expiry	
US9006387 BB	20150414	LSGT	+	granted / extensions (spc, cpc, pte)	
US9006387 BB	20150325	LSGT	PAT1	Patented Case	
US9006387 BB	20340214	PEXP		Calculated Patent Term Expiry	
US9394279 BB	20160719	LSGT	+	granted / extensions (spc, cpc, pte)	
US9394279 BB	20160115	LSFE	INAM	Notice of Allowance	

			1	Mailed -- Application Received in Office of Publications	
US9394279 BB	20160629	LSGT	PAT1	Patented Case	
US9394279 BB	20331027	PEXP		Calculated Patent Term Expiry (PTA 681 days)	
US9586978 BB	20170307	LSGT	+	granted / extensions (spc, cpc, pte)	
US9586978 BB	20150924	LSES	NFA1	Non Final Action Mailed	
US9586978 BB	20170215	LSGT	PAT1	Patented Case	
US9586978 BB	20300610	PEXP		Calculated Patent Term Expiry	
UY32699 A1	20101231	LSPB	+	published / reissued	
UY33446 A1	20120131	LSPB	+	published / reissued	
UY33667 A1	20120430	LSPB	+	published / reissued	
UY34983 A1	20140131	LSPB	+	published / reissued	
UY35266 A1	20150731	LSPB	+	published / reissued	
VN15857 A1	20160926	LSPB	+	published / reissued	
VN16243 A1	20161226	LSPB	+	published / reissued	
VN17237 A1	20170825	LSPB	+	published / reissued	
WO10144646 A2	20101216	LSPB	+	published / reissued	
WO10144646 A3	20110317	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2737601 COUNTRY OF REF DOCUMENT : CA
WO10144646 A3	20110321	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010258769 COUNTRY OF REF DOCUMENT : AU
WO10144646 A3	20110328	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 591973 COUNTRY OF REF DOCUMENT : NZ
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WO10144646 A3	20111212	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 201103926 COUNTRY OF REF DOCUMENT : UA

THE NATIONAL PHASE IN:					
WO10144646 A3	20140729	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 233857 COUNTRY OF REF DOCUMENT : IL
WO10144646 A3	20170117	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI1004895 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20110329
WO10144646 A3	20180214	LSNP	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : BR REF LEGAL EVENT CODE : B01E REF DOCUMENT NUMBER : PI1004894 COUNTRY OF REF DOCUMENT : BR
WO11156578 A1	20111215	LSPB	+	published / reissued	
WO11156578 A1	20121207	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013514363 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11156578 A1	20121209	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 223535 COUNTRY OF REF DOCUMENT : IL
WO11156578 A1	20121210	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2802180 COUNTRY OF REF DOCUMENT : CA
WO11156578 A1	20121210	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11156578 A1	20121210	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1201006418 COUNTRY OF REF DOCUMENT : TH
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WO11156578 A1	20151117	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 212012031500 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : U2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20121210
WO12051361 A1	20120419	LSPB	+	published / reissued	
WO12051361 A1	20130207	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2807847 COUNTRY OF REF DOCUMENT : CA
WO12051361 A1	20130221	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011316506 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20111012

					KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12051361 A1	20130404	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013533986 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO12051361 A1	20130415	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
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WO12051361 A1	20150330	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 238030 COUNTRY OF REF DOCUMENT : IL
WO12116257 A1	20120830	LSPB	+	published / reissued	
WO12116257 A1	20130822	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2828495 COUNTRY OF REF DOCUMENT : CA
WO12116257 A1	20130823	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013555589 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12116257 A1	20130826	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
ZA201102425 A	20120926	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201102425 A	20310330	PEXP		Calculated Patent Term Expiry	
ZA201203502 A	20130130	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201203502 A	20320513	PEXP		Calculated Patent Term Expiry	
ZA201203503 A	20140129	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201203503 A	20320513	PEXP		Calculated Patent Term Expiry	
ZA201300112 A	20130925	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201300112 A	20330103	PEXP		Calculated Patent Term Expiry	

Title: 3',5'-CYCLIC PHOSPHORAMIDATE PRODRUGS FOR HCV INFECTION

Abstract: Provided herein are compounds, compositions and methods for the treatment of Flaviviridae infections, including HCV infections.



In certain embodiments, compounds and compositions of nucleoside derivatives are disclosed, which can be administered either alone or in combination with other anti-viral agents.

Classifications:

International (IPC 8-9): [A61K](#) [A61K31/40](#) [A61K31/403](#) [A61K31/4184](#) [A61K31/4709](#) [A61K31/497](#) [A61K31/70](#) [A61K31/7052](#) [A61K31/7056](#) [A61K31/706](#) [A61K31/7064](#) [A61K31/7068](#) [A61K31/7072](#) [A61K31/7076](#) [A61K31/708](#) [A61K38/00](#) [A61K38/21](#) [A61K45/00](#) [A61K45/06](#) [A61K47/18](#) [A61K47/48](#) [A61K47/54](#) [A61K9/00](#) [A61P](#) [A61P1/16](#) [A61P31/04](#) [A61P31/12](#) [A61P31/14](#) [A61P35/00](#) [A61P43/00](#) [C07H](#) [C07H17/02](#) [C07H19/00](#) [C07H19/044](#) [C07H19/048](#) [C07H19/06](#) [C07H19/073](#) [C07H19/10](#) [C07H19/11](#) [C07H19/12](#) [C07H19/14](#) [C07H19/16](#) [C07H19/173](#) [C07H19/20](#) [C07H19/207](#) [C07H19/213](#) [C07H19/23](#) [C07H19/24](#) (Advanced/Invention); [A61K31/7068](#) [C07H19/00](#) [C07H19/10](#) [C07H19/20](#) (Core/Invention); [A61K](#) [A61P](#) [C07H](#) (Subclass/Invention)

CPC: [C07H19/14](#) [A61K31/7064](#) [C07H19/12](#) [A61K31/706](#) [A61K31/7068](#) [C07H19/213](#) [C07H19/24](#) [C07H17/02](#) [A61K31/7105](#) [C07H19/23](#) [C07H19/073](#) [C07H19/173](#) [C07H19/11](#) [C07H19/207](#) [A61K31/708](#) [A61K31/7072](#) [A61K45/06](#) [A61K38/55](#) [C07H19/16](#) [A61K31/403](#) [A61K38/21](#) [C07H19/06](#) [A61K31/7076](#) [A61K31/4184](#) [A61K31/4709](#) [A61K2300/00](#) [A61K31/40](#) [A61K31/497](#) [A61K31/7056](#) [A61K38/212](#) [C07H19/048](#) [C07H19/20](#) [C07H19/10](#) [A61K9/0053](#)

US: [1/1](#) [424/278.1](#) [424/85.2](#) [424/85.4](#) [424/85.7](#) [435/184](#) [514/4.3](#) [514/43](#) [514/44A](#) [514/45](#) [514/46](#) [514/47](#) [514/48](#) [514/49](#) [514/50](#) [514/51](#) [536/26.12](#) [536/26.13](#) [536/26.14](#) [536/26.26](#) [536/26.7](#) [536/26.8](#) [536/27.13](#) [536/27.14](#) [536/27.2](#) [536/27.3](#) [536/27.6](#) [536/28.2](#) [536/28.5](#) [536/28.53](#)

Family:

Publication number	Publication date	Application number	Application date
AP201408056 A0	20141130	AP20140008056	20130521
AP201508384 A0	20150430	AP20150008384	20131007
AP3913 A	20161126	AP20140008056	20130521
AR092835 AA	20150506	AR2013P101781	20130522
AU2013266393 AA	20131128	AU20130266393	20130521
AU2013266393 BB	20170928	AU20130266393	20130521
AU2013329521 AA	20140417	AU20130329521	20131007
AU2013329521 BB	20180419	AU20130329521	20131007
BR112014029115 A2	20170627	BR20141129115	20130521
BR112015007698 A2	20170822	BR20151107698	20131007
CA2873315 AA	20141110	CA20132873315	20130521
CA2887578 AA	20150408	CA20132887578	20131007
CL2014003168 A1	20150522	CL20140003168	20141121
CL2015000870 A1	20151113	CL20150000870	20150407
CN104470939 A	20150325	CN201380037657	20130521
CN104470939 B	20170426	CN201380037657	20130521
CN104936970 A	20150923	CN201380064162	20131007
CO7200247 A2	20150227	CO20140258209	20141124
CR20140533 A	20150313	CR20140000533	20141121
CR20150199 A	20150901	CR20150000199	20150417
DE602013019740 D1	20170601	DE201360019740T	20130521
DOP2014000260 A	20150227	DO20140000260	20141117
DOP2015000079 A	20151130	DO20150000079	20150406
EA201401281 A1	20150630	EA20140001281	20130521

EA201500304 A1	20160129	EA20150000304	20131007
EP2852603 A1	20150401	EP20130725885	20130521
EP2852604 A1	20150401	EP20130727740	20130521
EP2852604 B1	20170412	EP20130727740	20130521
EP2906579 A1	20150819	EP20130776706	20131007
EP2906579 B1	20180418	EP20130776706	20131007
EP2909222 A1	20150826	EP20130785765	20131021
EP2920195 A1	20150923	EP20130795957	20131113
EP2935304 A1	20151028	EP20130814402	20131217
EP2938624 A1	20151104	EP20130795959	20131113
EP2970357 A1	20160120	EP20140721626	20140313
EP2970358 A1	20160120	EP20140712866	20140303
EP2981542 A1	20160210	EP20140726464	20140401
GE201706723 B	20170825	GE20130013817	20131007
HK1203514 A1	20151030	HK20150103812	20150420
HK1207647 A1	20160205	HK20150108251	20150825
ID201602879 A	20160418	ID2014P0007290	20130521
ID201700231 A	20170120	ID2015P0002051	20131007
IL235730 A0	20150129	IL20130235730	20130521
IN02209CN2015 A	20160701	IN2015CN02209	20150417
IN09042CN2014 A	20160701	IN2014CN09042	20141215
JP2015520767 T2	20150723	JP20150514134T	20130521
JP2015535853 T2	20151217	JP20150535875T	20131007
JP6165848 B2	20170719	JP20150514134T	20130521
KR20150013825 A	20150205	KR20147035440	20130521
KR20150084830 A	20150722	KR20157012119	20131007
MA37566 A1	20180131	MA20130037566	20130521
MD20140134 A2	20150430	MD20140000134	20130521
MD20150036 A2	20150831	MD20150000036	20131007
MX2014014117 A1	20150305	MX20140014117	20130521
MX2015004348 A1	20151029	MX20150004348	20131007
NZ702744 A	20161223	NZ20130702744	20130521
PE01322015 A1	20150214	PE20140002048	20130521
PE13182015 A1	20151003	PE20150000459	20131007
PH2014502603 A	20150202	PH20140502603	20141121
PH2014502603 B	20150202	PH20140502603	20141121
PH2015500749 A	20150525	PH20150500749	20150406
SG11201407674T A1	20141230	SG20141107674	20130521
SG11201502750U A1	20150629	SG20151102750	20131007
TH153193 A	20160617	TH20141007002	20130521
TH169537 A	20171019	TH20151001933	20131007
TN2014000476 A1	20160330	TN20140000476	20141110
TN2015000117 A1	20160629	TN20150000117	20150326
TW201408687 A	20140301	TW20130118051	20130522
TW201808981 A	20180316	TW20170139017	20130522
US2013315866 AA	20131128	US20130899257	20130521
US2013315868 AA	20131128	US20130899513	20130521
US2014099283 AA	20140410	US20130047862	20131007
US2014112887 AA	20140424	US20130059233	20131021
US2014140951 AA	20140522	US20130079492	20131113
US2014140952 AA	20140522	US20130079498	20131113
US2014178338 AA	20140626	US20130109463	20131217
US2014248241 AA	20140904	US20140195388	20140303

US2014271547 AA	20140918	US20140210221	20140313
US2014294769 AA	20141002	US20140242671	20140401
US2016002281 AA	20160107	US20150856462	20150916
US2016083413 AA	20160324	US20150920830	20151022
US2016113956 AA	20160428	US20150866759	20150925
US9109001 BB	20150818	US20130899257	20130521
US9187515 BB	20151117	US20140242671	20140401
US9211300 BB	20151215	US20130109463	20131217
US9309275 BB	20160412	US20140195388	20140303
WO13177188 A1	20131128	WO2013US42058	20130521
WO13177219 A1	20131128	WO2013US42104	20130521
WO14058801 A1	20140417	WO2013US63731	20131007
WO14066239 A1	20140501	WO2013US65892	20131021
WO14078427 A1	20140522	WO2013US69911	20131113
WO14078436 A1	20140522	WO2013US69922	20131113
WO14099941 A1	20140626	WO2013US75709	20131217
WO14137926 A1	20140912	WO2014US19988	20140303
WO14160484 A1	20141002	WO2014US26798	20140313
WO14165542 A1	20141009	WO2014US32575	20140401
WO15061683 A1	20150430	WO2014US62174	20141024
ZA201502545 A	20170830	ZA20150002545	20131007

Priority:

US20120650414P 20120522	US20120695218P 20120830	US20120711131P 20121008
US20120716874P 20121022	US20120726521P 20121114	US20120726522P 20121114
US20120739509P 20121219	US20130772325P 20130304	US20130722325P 20130304
US20130780393P 20130313	US20130792131P 20130315	US20130790151P 20130315
US20130807266P 20130401	US20130807249P 20130401	US20130807268P 20130401
US20130807259P 20130401	EP20130727740 20130521	US20130899257 20130521
US20130899513 20130521	WO2013US42104 20130521	WO2013US42058 20130521
US20130858539P 20130725	US20130047862 20131007	WO2013US63731 20131007
US20130889384P 20131010	US20130059233 20131021	WO2013US65892 20131021
US20130895992P 20131025	US20130079492 20131113	US20130079498 20131113
WO2013US69911 20131113	WO2013US69922 20131113	US20130909338P 20131126
US20130109463 20131217	WO2013US75709 20131217	US20140195388 20140303
WO2014US19988 20140303	US20140210221 20140313	WO2014US26798 20140313
US20140242671 20140401	WO2014US32575 20140401	CL20150000870 20150407
US20150856462 20150916	US20150866759 20150925	US20150920830 20151022

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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
AP3913 A	20161126	LSGT	+	granted / extensions (spc, cpc, pte)	
AP3913 A	20330521	PEXP		Calculated Patent Term Expiry	
AR092835 AA	20150506	LSPB	+	published / reissued	
AU2013266393 AA	20131128	LSPB	+	published / reissued	
AU2013266393 AA	20160602	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ MAYES, BENJAMIN ALEXANDER; STEWART, ALISTAIR JAMES; MOUSSA, ADEL M.; GOSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS-RENE; GRIFFON, JEAN

					FRANCOIS; SURLERAUX, DOMINIQUE; DOUSSON, CYRIL B.; PIERRA, CLAIRE AND RAHALI, HOUCINE
AU2013266393 AA	20160623	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ MAYES, BENJAMIN ALEXANDER; STEWART, ALISTAIR JAMES; MOUSSA, ADEL M.; GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS-RENE; GRIFFON, JEAN-FRANCOIS; SURLERAUX, DOMINIQUE; DOUSSON, CYRIL B.; PIERRA, CLAIRE; RAHALI, HOUCINE AND DUKHAN, DAVID
AU2013266393 BB	20170928	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2013266393 BB	20180201	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR TO READ MAYES, BENJAMIN ALEXANDER; STEWART, ALISTAIR JAMES; MOUSSA, ADEL M.; GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS-RENE; GRIFFON, JEAN-FRANCOIS; SURLERAUX, DOMINIQUE; DOUSSON, CYRIL B.; PIERRA, CLAIRE AND RAHALI, HOUCINE
AU2013266393 BB	20180426	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2013266393 BB	20330521	PEXP		Calculated Patent Term Expiry	
AU2013329521 AA	20140417	LSPB	+	published / reissued	
AU2013329521 BB	20180419	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2013329521 BB	20331007	PEXP		Calculated Patent Term Expiry	
BR112014029115 A2	20180403	LSAS	B25D	REQUESTED CHANGE OF NAME OF	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC

				APPLICANT APPROVED	(US)
CA2873315 AA	20141110	LSPB	+	published / reissued	
CA2887578 AA	20150408	LSPB	+	published / reissued	
CL2014003168 A1	20150522	LSPB	+	published / reissued	
CL2015000870 A1	20151113	LSPB	+	published / reissued	
CN104470939 A	20150325	LSPB	+	published / reissued	
CN104470939 A	20150325	LSPB	+C06	PUBLICATION	
CN104470939 A	20160720	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	
CN104470939 A	20170426	LSGT	+GR01	PATENT GRANT	
CN104470939 B	20170426	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104470939 B	20330521	PEXP		Calculated Patent Term Expiry	
CN104936970 A	20150923	LSPB	+	published / reissued	
CN104936970 A	20160720	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	
CO7200247 A2	20150227	LSPB	+	published / reissued	
CR20140533 A	20150313	LSPB	+	published / reissued	
CR20150199 A	20150901	LSPB	+	published / reissued	
DOP2014000260 A	20150227	LSPB	+	published / reissued	
DOP2015000079 A	20151130	LSPB	+	published / reissued	
EA201401281 A1	20150630	LSPB	+	published / reissued	
EA201500304 A1	20160129	LSPB	+	published / reissued	
EP2852603 A1	20150401	LSPB	+	published / reissued	
EP2852603 A1	20150401	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141125
EP2852603 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC.

EP2852603 A1	20160525	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160421
EP2852604 A1	20150401	LSPB	+	published / reissued	
EP2852604 A1	20150401	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141104
EP2852604 A1	20160615	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
EP2852604 A1	20160713	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160609
EP2852604 A1	20161130	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20161107
EP2852604 B1	20170412	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2852604 B1	20170412	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2852604 B1	20170413	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2852604 B1	20170426	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 5
EP2852604 B1	20170503	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2852604 B1	20170515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 883760 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170515
EP2852604 B1	20170601	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602013019740 COUNTRY OF REF DOCUMENT : DE
EP2852604 B1	20170628	LSAS	RAP2	TRANSFER OF	PARTYTYPE : OWNER

				RIGHTS OF AN EP GRANTED PATENT	OWNER : IDENIX PHARMACEUTICALS LLC
EP2852604 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170426 YEAR OF FEE PAYMENT : 5
EP2852604 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170427 YEAR OF FEE PAYMENT : 5
EP2852604 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170420 YEAR OF FEE PAYMENT : 5
EP2852604 B1	20170825	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2852604 B1	20170915	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 883760 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170412
EP2852604 B1	20170929	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				INFORM. FROM NAT. OFFICE TO EPO	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170712
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170713
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE

				NAT. OFFICE TO EPO	DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170412
EP2852604 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170412
EP2852604 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170812
EP2852604 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170712
EP2852604 B1	20171229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2852604 B1	20180115	LSRE	REG	REFERENCE TO A NATIONAL	REF COUNTRY CODE : DE REF LEGAL EVENT CODE :

				CODE	R097 REF DOCUMENT NUMBER : 602013019740 COUNTRY OF REF DOCUMENT : DE
EP2852604 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
EP2852604 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20170412
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				NAT. OFFICE TO EPO	DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170412
EP2852604 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20170531
EP2852604 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IT 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 : 20170412
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EP2852604 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20170521
EP2852604 B1	20180416	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2852604 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20170531

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EP2852604 B1	20180430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180328 YEAR OF FEE PAYMENT : 6
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EP2906579 A1	20150819	LSPB	+	published / reissued	
EP2906579 A1	20150819	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150325
EP2906579 A1	20150930	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
EP2906579 A1	20150930	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC.
EP2906579 A1	20150930	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER
EP2906579 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC.
EP2906579 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER
EP2906579 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
EP2906579 A1	20160713	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160610
EP2906579 A1	20171129	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20171102
EP2906579 B1	20180418	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2906579 B1	20180418	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2906579 B1	20180430	LSGP	REG	REFERENCE TO	REF COUNTRY CODE : GB

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EP2909222 A1	20150826	LSPB	+	published / reissued	
EP2909222 A1	20150826	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150209
EP2909222 A1	20160615	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
EP2909222 A1	20160713	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160608
EP2909222 A1	20170628	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
EP2920195 A1	20150923	LSPB	+	published / reissued	
EP2920195 A1	20150923	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150507
EP2920195 A1	20160413	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160309
EP2920195 A1	20160420	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20160314
EP2935304 A1	20151028	LSPB	+	published / reissued	
EP2935304 A1	20151028	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150603
EP2935304 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC.
EP2935304 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER
EP2935304 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
EP2935304 A1	20160720	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160621
EP2938674 A1	20151104	LSPB	+	published /	

				reissued	
EP2938624 A1	20151104	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150507
EP2938624 A1	20160413	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160309
EP2938624 A1	20160615	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
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EP2938624 A1	20170628	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
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EP2970357 A1	20160120	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150928
EP2970357 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
EP2970357 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER
EP2970357 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC.
EP2970357 A1	20170329	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20170222
EP2970358 A1	20160120	LSPB	+	published / reissued	
EP2970358 A1	20160120	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150923
EP2970358 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC.
EP2970358 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
EP2970358 A1	20160413	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : UNIVERSITE

				APPLICATION	MONTPELLIER 2 SCIENCES ET TECHNIQUES
EP2970358 A1	20170412	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20170313
EP2970358 A1	20170531	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER
EP2970358 A1	20170531	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
EP2970358 A1	20170531	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.
EP2981542 A1	20160210	LSPB	+	published / reissued	
EP2981542 A1	20160210	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20151102
EP2981542 A1	20160615	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
EP2981542 A1	20161116	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20161018
EP2981542 A1	20170628	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC
GE201706723 B	20170825	LSGT	+	granted / extensions (spc, cpc, pte)	
GE201706723 B	20331007	PEXP		Calculated Patent Term Expiry	
HK1203514 A1	20151030	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1203514 A1	20350420	PEXP		Calculated Patent Term Expiry	
HK1207647 A1	20160205	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1207647 A1	20350825	PEXP		Calculated Patent Term Expiry	
ID201602879 A	20160418	LSPB	+	published / reissued	

ID201700231 A	20170120	LSPB	+	published / reissued	
IN02209CN2015 A	20160701	LSPB	+	published / reissued	
IN09042CN2014 A	20160701	LSPB	+	published / reissued	
JP2015520767 T2	20150723	LSPB	+	published / reissued	
JP2015520767 T2	20160520	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160520
JP2015520767 T2	20160520	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20160520
JP2015520767 T2	20170516	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015520767 T2	20170523	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170523
JP2015520767 T2	20170629	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170621
JP2015520767 T2	20170630	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6165848 COUNTRY OF REF DOCUMENT : JP
JP2015535853 T2	20151217	LSPB	+	published / reissued	
JP2015535853 T2	20151021	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20151002
JP2015535853 T2	20161006	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20161006
JP2015535853 T2	20161006	LSSES	+A621	WRITTEN	TEXT : JAPANESE

				REQUEST FOR APPLICATION EXAMINATION	INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20161006
JP2015535853 T2	20171024	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20171024
JP6165848 B2	20170719	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6165848 B2	20170525	LSGT	+A01	特許査定書 Decision of patent grant	
JP6165848 B2	20170627	LSFE	R100	特許料納付書 Patent fee payment form	
JP6165848 B2	20170630	LSGT	+R150	特許証 Patent certificate	
JP6165848 B2	20330521	PEXP		Calculated Patent Term Expiry	
KR20150013825 A	20150205	LSPB	+	published / reissued	
KR20150084830 A	20150722	LSPB	+	published / reissued	
MA37566 A1	20180131	LSPB	+	published / reissued	
MD20140134 A2	20150430	LSPB	+	published / reissued	
MD20150036 A2	20150831	LSPB	+	published / reissued	
MX2014014117 A1	20150305	LSPB	+	published / reissued	
MX2015004348 A1	20151029	LSPB	+	published / reissued	
MX2015004348 A1	20161114	LSAS	HC	CHANGE OF COMPANY NAME OR JURIDICAL STATUS	PARTYTYPE : OWNER OWNER : THE GILLETTE COMPANY LLC
MX2015004348 A1	20180112	LSGT	+FG	GRANT OR REGISTRATION	
NZ702744 A	20161223	LSPB	+	published / reissued	
NZ702744 A	20170331	LSGT	+PSEA	PATENT SEALED	
NZ702744 A	20170526	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 21 MAY 2018 BY COMPUTER PACKAGES INC EFFECTIVE DATE : 20170502

PE01322015 A1	20150214	LSPB	+	published / reissued	
PE13182015 A1	20151003	LSPB	+	published / reissued	
PH2014502603 A	20150202	LSPB	+	published / reissued	
PH2014502603 B	20150202	LSGT	+	granted / extensions (spc, cpc, pte)	
PH2015500749 A	20150525	LSPB	+	published / reissued	
SG11201407674T A1	20141230	LSPB	+	published / reissued	
SG11201502750U A1	20150629	LSPB	+	published / reissued	
TH153193 A	20160617	LSPB	+	published / reissued	
TH169537 A	20171019	LSPB	+	published / reissued	
TN2014000476 A1	20160330	LSPB	+	published / reissued	
TN2015000117 A1	20160629	LSPB	+	published / reissued	
TW201408687 A	20140301	LSPB	+	published / reissued	
TW201808981 A	20180316	LSPB	+	published / reissued	
US2013315866 AA	20131128	LSPB	+	published / reissued	
US2013315866 AA	20130702	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS-RENE; DOUSSON, CYRIL B.; AND OTHERS; SIGNING DATES FROM 20130607 TO 20130702; REEL/FRAME:030728/0873
US2013315868 AA	20131128	LSPB	+	published / reissued	
US2013315868 AA	20130612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOUSSA, ADEL M.; REEL/FRAME:030599/0676 EFFECTIVE DATE : 20130607

US2013315868 AA	20130612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:STEWART, ALISTAIR JAMES; REEL/FRAME:030599/0561 EFFECTIVE DATE : 20130607
US2013315868 AA	20130612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MAYES, BENJAMIN ALEXANDER; REEL/FRAME:030599/0489 EFFECTIVE DATE : 20130607
US2013315868 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20150319 TO 20150325; REEL/FRAME:035921/0782
US2013315868 AA	20151002	LSWD	-ABD2	Abandoned -- Failure to Pay Issue Fee	
US2014099283 AA	20140410	LSPB	+	published / reissued	
US2014099283 AA	20131031	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20131018 TO 20131025; REEL/FRAME:031525/0104
US2014099283 AA	20131031	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FRAN OLDPARTY : ASSIGNMENT

					OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20131018 TO 20131025; REEL/FRAME:031525/0104
US2014099283 AA	20131031	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, F OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20131018 TO 20131025; REEL/FRAME:031525/0104
US2014099283 AA	20150407	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:STEWART, ALISTAIR JAMES; DUKHAN, DAVID; SIGNING DATES FROM 20150227 TO 20150323; REEL/FRAME:035347/0184
US2014099283 AA	20151116	LSES	NFA1	Non Final Action Mailed	
US2014099283 AA	20160324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:038250/0174 EFFECTIVE DATE : 20150427
US2014099283 AA	20160708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER, FRANCE OLDPARTY : CHANGE OF NAME; ASSIGNOR:UNIVERSIT MONTPELLIER 2 SCIENCES ET TECHNIQUES; REEL/FRAME:039296/0872 EFFECTIVE DATE : 20150101
US2014099283 AA	20171114	LSES	NFA1	Non Final Action Mailed	
US2014113887 AA	20140424	LSAS	AS	published /	

reissued					
US2014112887 AA	20131209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.; STEWART, ALISTAIR JAMES; SIGNING DATES FROM 20121204 TO 20131204; REEL/FRAME:031743/0828
US2014112887 AA	20131212	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE DATE OF EXECUTION OF ALISTAIR JAMES STEWART 12/04/2012 PREVIOUSLY RECORDED ON REEL 031743 FRAME 0828. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT TO IDENIX PHARMACEUTICALS, INC.; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.; STEWART, ALISTAIR JAMES; REEL/FRAME:031804/0915 EFFECTIVE DATE : 20131204
US2014112887 AA	20150730	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:036233/0433 EFFECTIVE DATE : 20150427
US2014140951 AA	20140522	LSPB	+	published / reissued	
US2014140951 AA	20131211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOUSSA, ADEL M.; MAYES, BENJAMIN ALEXANDER; DOUSSON, CYRIL B.; AND OTHERS; SIGNING DATES FROM 20131204 TO 20131209; REEL/FRAME:031762/0939

US2014140951 AA	20150923	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:036665/0776 EFFECTIVE DATE : 20150427
US2014140951 AA	20151130	LSWD	-EAB2	Expressly Abandoned -- During Publication Process	
US2014140952 AA	20140522	LSPB	+	published / reissued	
US2014140952 AA	20131211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOUSSA, ADEL M.; MAYES, BENJAMIN ALEXANDER; DOUSSON, CYRIL B.; AND OTHERS; SIGNING DATES FROM 20131204 TO 20131209; REEL/FRAME:031763/0029
US2014140952 AA	20150923	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:036666/0651 EFFECTIVE DATE : 20150427
US2014140952 AA	20151201	LSWD	-EAB1	Expressly Abandoned -- During Examination	
US2014178338 AA	20140626	LSPB	+	published / reissued	
US2014178338 AA	20140416	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, F OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.; STEWART, ALISTAIR JAMES; AND OTHERS; SIGNING DATES FROM 20140402 TO 20140411; REEL/FRAME:032686/0850

US2014178338 AA	20140416	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.; STEWART, ALISTAIR JAMES; AND OTHERS; SIGNING DATES FROM 20140402 TO 20140411; REEL/FRAME:032686/0850
US2014178338 AA	20140416	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FRAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.; STEWART, ALISTAIR JAMES; AND OTHERS; SIGNING DATES FROM 20140402 TO 20140411; REEL/FRAME:032686/0850
US2014178338 AA	20151026	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:036964/0994 EFFECTIVE DATE : 20150427
US2014248241 AA	20140904	LSPB	+	published / reissued	
US2014248241 AA	20140609	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:STEWART, ALISTAIR JAMES; MOUSSA, ADEL M.; MAYES, BENJAMIN ALEXANDER; AND OTHERS; SIGNING DATES FROM 20140515 TO 20140523; REEL/FRAME:033061/0225
US2014248241 AA	20140807	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, F OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOSSELIN, GILLES; REEL/FRAME:032400/0284

					EFFECTIVE DATE : 20140519
US2014248241 AA	20140807	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FRAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOSSELIN, GILLES; REEL/FRAME:033490/0284 EFFECTIVE DATE : 20140519
US2014248241 AA	20160219	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC; REEL/FRAME:037867/0778 EFFECTIVE DATE : 20150427
US2014271547 AA	20140918	LSPB	+	published / reissued	
US2014271547 AA	20140807	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FRAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUKHAN, DAVID; PARSY, CHRISTOPHE CLAUDE; GOSSELIN, GILLES; AND OTHERS; SIGNING DATES FROM 20140514 TO 20140523; REEL/FRAME:033490/0410
US2014271547 AA	20140807	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, F OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUKHAN, DAVID; PARSY, CHRISTOPHE CLAUDE; GOSSELIN, GILLES; AND OTHERS; SIGNING DATES FROM 20140514 TO 20140523; REEL/FRAME:033490/0410
US2014271547 AA	20140807	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUKHAN,

					DAVID; PARSY, CHRISTOPHE CLAUDE; GOSSELIN, GILLES; AND OTHERS; SIGNING DATES FROM 20140514 TO 20140523; REEL/FRAME:033490/0410
US2014271547 AA	20150423	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOUSSA, ADEL M.; MAYES, BENJAMIN ALEXANDER; STEWART, ALISTAIR JAMES; SIGNING DATES FROM 20150225 TO 20150408; REEL/FRAME:035484/0487
US2014271547 AA	20151005	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014294769 AA	20141002	LSPB	+	published / reissued	
US2014294769 AA	20140521	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.; STEWART, ALISTAIR JAMES; REEL/FRAME:032940/0464 EFFECTIVE DATE : 20140516
US2014294769 AA	20150922	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:036652/0258 EFFECTIVE DATE : 20150427
US2016002281 AA	20160107	LSPB	+	published / reissued	
US2016002281 AA	20160107	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAYES, BENJAMIN ALEXANDER; MOUSSA, ADEL M.

					STEWART, ALISTAIR JAMES; AND OTHERS; SIGNING DATES FROM 20130607 TO 20150325; REEL/FRAME:037434/0513
US2016002281 AA	20160324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:038250/0174 EFFECTIVE DATE : 20150427
US2016002281 AA	20160708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER, FRANCE OLDPARTY : CHANGE OF NAME; ASSIGNOR:UNIVERSIT MONTPELLIER 2 SCIENCES ET TECHNIQUES; REEL/FRAME:039296/0872 EFFECTIVE DATE : 20150101
US2016002281 AA	20180201	LSES	NFA1	Non Final Action Mailed	
US2016083413 AA	20160324	LSPB	+	published / reissued	
US2016083413 AA	20151210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20131018 TO 20150323; REEL/FRAME:037265/0548
US2016083413 AA	20151210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, F OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20131018 TO 20150323; REEL/FRAME:037265/0548
US2016083413 AA	20151210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA

					RECHERCHE SCIENTIFIQUE, FRAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOSSELIN, GILLES; PARSY, CHRISTOPHE CLAUDE; ALEXANDRE, FRANCOIS- RENE; AND OTHERS; SIGNING DATES FROM 20131018 TO 20150323; REEL/FRAME:037265/0548
US2016083413 AA	20160324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:038250/0174 EFFECTIVE DATE : 20150427
US2016083413 AA	20170628	LSES	NFA1	Non Final Action Mailed	
US2016083413 AA	20171212	LSES	NFA1	Non Final Action Mailed	
US2016113956 AA	20160428	LSPB	+	published / reissued	
US2016113956 AA	20160204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FRAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUKHAN, DAVID; PARSY, CHRISTOPHE CLAUDE; GOSSELIN, GILLES; AND OTHERS; SIGNING DATES FROM 20140514 TO 20150408; REEL/FRAME:037670/0157
US2016113956 AA	20160204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUKHAN, DAVID; PARSY, CHRISTOPHE CLAUDE; GOSSELIN, GILLES; AND OTHERS; SIGNING DATES FROM 20140514 TO 20150408; REEL/FRAME:037670/0157
US2016113956 AA	20160204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, F OLDPARTY : ASSIGNMENT

					OF ASSIGNORS INTEREST; ASSIGNORS:DUKHAN, DAVID; PARSY, CHRISTOPHE CLAUDE; GOSSELIN, GILLES; AND OTHERS; SIGNING DATES FROM 20140514 TO 20150408; REEL/FRAME:037670/0157
US2016113956 AA	20160324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:038250/0174 EFFECTIVE DATE : 20150427
US2016113956 AA	20160708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER, FRANCE OLDPARTY : CHANGE OF NAME; ASSIGNOR:UNIVERSIT MONTPELLIER 2 SCIENCES ET TECHNIQUES; REEL/FRAME:039296/0872 EFFECTIVE DATE : 20150101
US2016113956 AA	20170627	LSES	NFA1	Non Final Action Mailed	
US2016113956 AA	20171226	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016113956 AA	20171227	LSES	NFA1	Non Final Action Mailed	
US9109001 BB	20150818	LSGT	+	granted / extensions (spc, cpc, pte)	
US9109001 BB	20150729	LSGT	PAT1	Patented Case	
US9109001 BB	20150923	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : IDENIX PHARMACEUTICALS LLC, MASSACHUSETTS OLDPARTY : CHANGE OF NAME; ASSIGNOR:IDENIX PHARMACEUTICALS, INC.; REEL/FRAME:036666/0853 EFFECTIVE DATE : 20150427
US9109001 BB	20330521	PEXP		Calculated Patent Term Expiry	
US9187515 BB	20151117	LSGT	+	granted / extensions (spc, cpc, pte)	
US9187515 BB	20151028	LSGT	PAT1	Patented Case	

US9187515 BB	20340401	PEXP		Calculated Patent Term Expiry	
US9211300 BB	20151215	LSGT	+	granted / extensions (spc, cpc, pte)	
US9211300 BB	20151124	LSGT	PAT1	Patented Case	
US9211300 BB	20160708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER, FRANCE OLDPARTY : CHANGE OF NAME; ASSIGNOR:UNIVERSIT MONTPELLIER 2 SCIENCES ET TECHNIQUES; REEL/FRAME:039296/0872 EFFECTIVE DATE : 20150101
US9211300 BB	20331217	PEXP		Calculated Patent Term Expiry	
US9309275 BB	20160412	LSGT	+	granted / extensions (spc, cpc, pte)	
US9309275 BB	20151118	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9309275 BB	20160323	LSGT	PAT1	Patented Case	
US9309275 BB	20160708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITE DE MONTPELLIER, FRANCE OLDPARTY : CHANGE OF NAME; ASSIGNOR:UNIVERSIT MONTPELLIER 2 SCIENCES ET TECHNIQUES; REEL/FRAME:039296/0872 EFFECTIVE DATE : 20150101
US9309275 BB	20340303	PEXP		Calculated Patent Term Expiry	
WO13177188 A1	20131128	LSPB	+	published / reissued	
WO13177188 A1	20141124	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13177219 A1	20131128	LSPB	+	published / reissued	
WO13177219 A1	20141110	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2873315 COUNTRY OF REF DOCUMENT : CA

WO13177219 A1	20141117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 235730 COUNTRY OF REF DOCUMENT : IL
WO13177219 A1	20141121	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2015514134 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13177219 A1	20141123	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : P1279/2014 COUNTRY OF REF DOCUMENT : AE
WO13177219 A1	20141124	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13177219 A1	20141127	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013266393 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20130521 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13177219 A1	20141217	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20147035440 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13177219 A1	20141217	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201401281 COUNTRY OF REF DOCUMENT : EA
WO13177219 A1	20141218	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20140134 COUNTRY OF REF DOCUMENT : MD KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13177219 A1	20141218	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A 2014 0134 COUNTRY OF REF DOCUMENT : MD
WO13177219 A1	20170627	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112014029115 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A

					DESIGNATED STATE(S) : EFFECTIVE DATE : 20141121
WO14058801 A1	20140417	LSPB	+	published / reissued	
WO14058801 A1	20150401	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 238088 COUNTRY OF REF DOCUMENT : IL
WO14058801 A1	20150407	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2015535875 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14058801 A1	20150408	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2887578 COUNTRY OF REF DOCUMENT : CA
WO14058801 A1	20150408	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14058801 A1	20150408	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201500304 COUNTRY OF REF DOCUMENT : EA
WO14058801 A1	20150408	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : P458/2015 COUNTRY OF REF DOCUMENT : AE
WO14058801 A1	20150417	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20150036 COUNTRY OF REF DOCUMENT : MD KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14058801 A1	20150417	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A 2015 0036 COUNTRY OF REF DOCUMENT : MD
WO14058801 A1	20150504	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 13817 COUNTRY OF REF DOCUMENT : GE KIND CODE OF REF DOCUMENT : P DESIGNATED STATE(S) :
WO14058801 A1	20150508	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20157012119 COUNTRY OF REF

					DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14058801 A1	20150528	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013329521 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20131007 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14058801 A1	20160523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14153 COUNTRY OF REF DOCUMENT : GE
WO14058801 A1	20170822	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112015007698 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20150407
WO14066239 A1	20140501	LSPB	+	published / reissued	
WO14066239 A1	20150422	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14078427 A1	20140522	LSPB	+	published / reissued	
WO14078427 A1	20150515	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14078436 A1	20140522	LSPB	+	published / reissued	
WO14078436 A1	20150515	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14099941 A1	20140626	LSPB	+	published / reissued	
WO14099941 A1	20150619	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14137926 A1	20140912	LSPB	+	published / reissued	
WO14137926 A1	20150904	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

WO14160484 A1	20141002	LSPB	+	published / reissued	
WO14160484 A1	20150914	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14165542 A1	20141009	LSPB	+	published / reissued	
WO14165542 A1	20151001	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15061683 A1	20150430	LSPB	+	published / reissued	
WO15061683 A1	20160425	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15061683 A1	20161116	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14799922 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
ZA201502545 A	20170830	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201502545 A	20350414	PEXP		Calculated Patent Term Expiry	

Title: 2'-BRANCHED NUCLEOSIDES FOR TREATMENT OF VIRAL INFECTIONS

Abstract: The present invention provides a compound of formula I: or a pharmaceutically acceptable salt thereof, wherein R1 is defined herein, which is a 2'-branched nucleoside useful for the treatment or prevention of viral infections, particularly dengue virus, yellow fever virus, West Nile virus, Japanese encephalitis virus, tick-borne encephalitis virus, Kunjin virus, Murray Valley encephalitis, St Louis encephalitis, Omsk hemorrhagic fever virus, bovine viral diarrhea virus, Zika virus and Hepatitis C virus.



Classifications:

International (IPC 8-9): [A61K31/7056](#) [A61K31/7068](#) [A61K31/7072](#) [A61K38/21](#) [A61K45/06](#)

[A61K47/22](#) [A61P31/12](#) [A61P31/14](#) [C07H19/06](#) [C07H19/067](#) [C07H19/10](#) (Advanced/Invention)

CPC: [A61K45/06](#) [A61K38/21](#) [A61K31/7056](#) [A61K31/7068](#) [C07H19/067](#) [C07H19/06](#) [A61K47/22](#)

[A61K31/7072](#) [C07H19/10](#)

US: [424/85.4](#) [514/49](#) [514/51](#) [536/26.8](#)

Family:

Publication number	Publication date	Application number	Application date
AR092390 AA	20150422	AR2013P103089	20130830
DE602013033754 D1	20180329	DE201360033754T	20130827
EP2890704 A1	20150708	EP20130785621	20130827
EP2890704 B1	20180228	EP20130785621	20130827
TW201414745 A	20140416	TW20130131431	20130830
US2014065101 AA	20140306	US20130011500	20130827
US2015232501 AA	20150820	US20130421249	20130827
US2016289259 AA	20161006	US20160184938	20160616
US2017112868 AA	20170427	US20160378576	20161214
US9556216 BB	20170131	US20130421249	20130827
US9814739 BB	20171114	US20160378576	20161214
UY34998 A1	20140331	UY20130034998	20130829
WO14033617 A1	20140306	WO2013IB56898	20130827

Priority:

US20120695727P	20120831	WO2013CN073443	20130329	EP20130785621	20130827
US20130011500	20130827	US20130421249	20130827	WO2013IB56898	20130827
US20150421249	20150212	US20160184938	20160616	US20160378576	20161214

Probable Assignee: NOVARTIS AG

Assignee(s): (std): FENAUX MARTIJN ; LIN XIAODONG ; SAUNDERS OLIVER ; SWEENEY ZACHARY KEVIN ; ZHONG WEIDONG ; MAO LIANG ; YOKOKAWA FUMIAKI ; NOVARTIS AG ; ANADAN SAMPATH KUMAR ; ANANDAN SAMPATH KUMAR ; AULAKH VIRENDER SINGH

Assignee(s): BEIJING NOVARTIS PHARMA CO LTD ; NOVARTIS INST FOR TROPICAL DISEASES PTE LTD ; NOVARTIS VACCINES AND DIAGNOSTICS INC

Inventor(s): (std): ANANDAN SAMPATH KUMAR ; AULAKH VIRENDER SINGH ; FENAUX MARTIJN ; MAO LIANG ; SAMPATH ANANDAN ; SAUNDERS OLIVER ; LIN XIAODONG ; SWEENEY ZACHARY KEVIN ; WEIDONG KUMAR ZHONG ; XIADONG LIN ; YOKOKAWA FUMIAKI ; ZHONG WEIDONG ; ZACHARY KEVIN SWEENEY ; XIAODONG LIN ; WEIDONG ZHONG ; VIRENDER SINGH AULAKH ; OLIVER SAUNDERS ; MARTIJN FENAUX ; LIANG MAO ; FUMIAKI YOKOKAWA

Inventor(s): SAMPATH KUMAR ANANDAN ; ZHONG WEIDONG EMERYVILLE ; ANANDAN SAMPATH KUMAR EMERYVILLE ; SWEENEY ZACHARY KEVIN EMERYVILLE ; LIN XIAODONG EMERYVILLE ; SAUNDERS OLIVER EMERYVILLE ; FENAUX MARTIJN

EMERYVILLE ; AULAKH VIRENDER SINGH EMERYVILLE

Agent(s): MARTI CHRISTIANE; MICHAEL G; MARK H; NOVARTIS AG

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 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
AR092390 AA	20150422	LSPB	+	published / reissued	
AR092390 AA	20160921	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
EP2890704 A1	20150708	LSPB	+	published / reissued	
EP2890704 A1	20150708	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150331
EP2890704 A1	20160302	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160128
EP2890704 A1	20171101	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20171006
EP2890704 B1	20180228	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2890704 B1	20180228	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2890704 B1	20180228	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2890704 B1	20180315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 974008 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180315
EP2890704 B1	20180329	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602012022754

					COUNTRY OF REF DOCUMENT : DE
EP2890704 B1	20330827	PEXP		Calculated Patent Term Expiry	
TW201414745 A	20140416	LSPB	+	published / reissued	
US2014065101 AA	20140306	LSPB	+	published / reissued	
US2014065101 AA	20130828	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS INSTITUTE FOR TROPICAL DISEASES PTE LTD, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:YOKOKAWA, FUMIAKI; REEL/FRAME:031104/0731 EFFECTIVE DATE : 20130403
US2014065101 AA	20130828	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:NOVARTIS INSTITUTE FOR TROPICAL DISEASES PTE LTD; REEL/FRAME:031104/0757 EFFECTIVE DATE : 20130403
US2014065101 AA	20151215	LSES	NFA1	Non Final Action Mailed	
US2014065101 AA	20160621	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2015232501 AA	20150820	LSPB	+	published / reissued	
US2015232501 AA	20150213	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS VACCINES AND DIAGNOSTICS, INC., CALIFORNI OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ANANDAN, SAMPATH-KUMAR; AULAKH, VIRENDER SINGH; FENAUX, MARTIJN; AND OTHERS; SIGNING DATES FROM 20130614 TO 20130624; REEL/FRAME:034959/0341
US2015232501 AA	20150213	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS INSTITUTE FOR TROPICAL DISEASES PTE LTD, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:YOKOKAWA, FUMIAKI; REEL/FRAME:034959/0341

					EFFECTIVE DATE : 20130612
US2015232501 AA	20150213	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:NOVARTIS INSITITUTE FOR TROPICAL DISEASES PTE LTD; REEL/FRAME:034958/0714 EFFECTIVE DATE : 20130625
US2015232501 AA	20150213	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:NOVARTIS VACCINES AND DIAGNOSTICS, INC.; REEL/FRAME:034959/0411 EFFECTIVE DATE : 20130627
US2015232501 AA	20150223	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVARTIS AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BEIJING NOVARTIS PHARMA CO., LTD.; REEL/FRAME:035009/0353 EFFECTIVE DATE : 20150223
US2015232501 AA	20150223	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BEIJING NOVARTIS PHARMA CO. LTD., CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MAO, LIANG; REEL/FRAME:035009/0300 EFFECTIVE DATE : 20130614
US2016289259 AA	20161006	LSPB	+	published / reissued	
US2016289259 AA	20170418	LSES	NFA1	Non Final Action Mailed	
US2016289259 AA	20171026	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2017112868 AA	20170427	LSPB	+	published / reissued	
US2017112868 AA	20170131	LSES	NFA1	Non Final Action Mailed	
US2017112868 AA	20170718	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017112868 AA	20171011	LSES	+DDP1	Publications	

				Issue Fee Payment Received	
US2017112868 AA	20171012	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9556216 BB	20170131	LSGT	+	granted / extensions (spc, cpc, pte)	
US9556216 BB	20150729	LSES	NFA1	Non Final Action Mailed	
US9556216 BB	20170111	LSGT	PAT1	Patented Case	
US9556216 BB	20330827	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9814739 BB	20171114	LSGT	+	granted / extensions (spc, cpc, pte)	
US9814739 BB	20171025	LSGT	PAT1	Patented Case	
US9814739 BB	20361214	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
UY34998 A1	20140331	LSPB	+	published / reissued	
WO14033617 A1	20140306	LSPB	+	published / reissued	
WO14033617 A1	20150212	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14421249 COUNTRY OF REF DOCUMENT : US
WO14033617 A1	20150302	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: 5, 6-D2 URIDINE NUCLEOSIDE/TIDE DERIVATIVES

Abstract: In one aspect, the invention provides compounds represented by Formula I, and pharmaceutically acceptable salts, esters, stereoisomers, tautomers, solvates, and combinations thereof, pharmaceutical compositions comprising these compounds and the use of these compounds for treating a viral infection in a subject.



Classifications:

International (IPC 8-9): [A61K31/7072](#) [A61K45/06](#) [C07H17/02](#) (Advanced/Invention)

CPC: [A61K45/06](#) [A61K31/7072](#) [C07H19/06](#) [C07H19/11](#) [A61K31/13](#) [A61K31/7056](#) [A61K38/21](#) [C07H19/10](#)

US: [424/85.6](#) [514/51](#) [536/28.53](#)

Family:

Publication number	Publication date	Application number	Application date
US2014219958 AA	20140807	US20140169387	20140131
WO15116248 A1	20150806	WO2014US42481	20140616

Priority:

US20130759555P 20130201 US20140169387 20140131

Probable Assignee: ENANTA PHARMACEUTICALS INC

Assignee(s): (std): ENANTA PHARM INC

Assignee(s): ENANTA PHARMACEUTICALS INC

Inventor(s): (std): LULY JAY R ; MA JUN ; OR YAT SUN ; WANG GUOQIANG

Agent(s): HARLAN EDGAR W ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2014219958 AA	20140807	LSPB	+	published / reissued	
US2014219958 AA	20140416	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ENANTA PHARMACEUTICALS, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LULY, JAY R.; MA, JUN; WANG, GUOQIANG; AND OTHERS; SIGNING DATES FROM 20140220 TO 20140224; REEL/FRAME:032681/0970

US2014219958 AA	20170725	LSES	NFA1	Non Final Action Mailed	
US2014219958 AA	20180326	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2014219958 AA	20180327	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
WO15116248 A1	20150806	LSPB	+	published / reissued	
WO15116248 A1	20160801	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15116248 A1	20170222	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14881001 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: DEUTERATED NUCLEOSIDE PRODRUGS USEFUL FOR TREATING HCV

Abstract: Deuterated nucleoside analogs of Formula (I) and the pharmaceutically acceptable salts thereof are provided by this disclosure. The



variables, e.g., B1, Y, R1, R2, R3, R3', R4, R5, R6, R7, R8, and R9 carry definitions set forth in the disclosure. Compounds of Formula (I) are deuterated at one or more positions and the deuterium enrichment at each deuterated position is at least 50 percent. Compounds and salts of Formula (I) are useful for treating viral infections, including HCV infections.

Classifications:

International (IPC 8-9): [A01N43/04](#) [A61K31/4709](#) [A61K31/70](#) [A61K31/706](#) [A61K31/7068](#) [A61K31/7072](#) [A61K45/00](#) [A61K45/06](#) [A61P1/16](#) [A61P31/12](#) [A61P31/14](#) [A61P43/00](#) [C07B59/00](#) [C07F9/24](#) [C07F9/58](#) [C07F9/6558](#) [C07H1/00](#) [C07H19/048](#) [C07H19/067](#) [C07H19/10](#) [C07H19/12](#) [C12N9/02](#) (Advanced/Invention)

International (IPC 1-7): [A61K31/7072](#) [A61P31/14](#) [C07B59/00](#) [C07H19/067](#)

CPC: [A61K31/7072](#) [A61K45/06](#) [C07F9/2458](#) [C07H1/00](#) [C07H19/10](#) [C07B59/008](#) [C12N9/0004](#) [A61K2300/00](#) [A61K31/4709](#) [C07B59/005](#) [C07F9/2429](#) [C07F9/585](#) [C07H19/067](#) [Y02A50/385](#) [Y02A50/387](#) [Y02A50/393](#) [Y02A50/463](#)

US: [1/1](#) [514/4.3](#) [514/51](#) [536/26.8](#) [558/200](#)

Family:

Publication number	Publication date	Application number	Application date
AU2014250762 AA	20141016	AU20140250762	20140414
AU2014250764 AA	20141016	AU20140250764	20140414
BR112015025716 A2	20170718	BR20151125716	20140414
BR112015025766 A2	20171017	BR20151125766	20140414
CA2909270 AA	20151009	CA20142909270	20140414
CA2909273 AA	20151009	CA20142909273	20140414
CN105377868 A	20160302	CN201480033503	20140414
CN105705511 A	20160622	CN201480033500	20140414
DE602014008111 D1	20170511	DE201460008111T	20140414
EP2984097 A1	20160217	EP20140722955	20140414
EP2984097 B1	20170329	EP20140722955	20140414
EP2984098 A2	20160217	EP20140724944	20140414
ES2623287 T3	20170710	ES20140722955T	20140414
IN06833CN2015 A	20160831	IN2015CN06833	20151102
IN06834CN2015 A	20160831	IN2015CN06834	20151102
JP2016518359 T2	20160623	JP20160507702T	20140414
JP2016522172 T2	20160728	JP20160507703T	20140414
KR20160002896 A	20160108	KR20157032206	20140414
KR20160003700 A	20160111	KR20157032200	20140414
RU2015148006 A	20170518	RU20150148006	20140414
RU2015148010 A	20170515	RU20150148010	20140414
US2014309164 AA	20141016	US20140252494	20140414
US2014309189 AA	20141016	US20140252290	20140414
US9447132 BB	20160920	US20140252290	20140414
WO14169278 A1	20141016	WO2014US34018	20140414
WO14169280 A2	20141016	WO2014US34021	20140414
WO14169280 A3	20141218	WO2014US34021	20140414

Priority:

US20130811464P 20130412 EP20140722955 20140414 US20140252494 20140414
 US20140252290 20140414 WO2014US34018 20140414 WO2014US34021 20140414

Probable Assignee: ACHILLION PHARMACEUTICALS INC

Assignee(s): (std): ACHILLION PHARMACEUTICALS INC

Assignee(s): ACHILLION PHARMACEUTICALS INC NEW HAVEN ; DESHPANDE MILIND ; HASHIMOTO AKIHIRO ; PHADKE AVINASH ; WILES JASON ALLAN

Inventor(s): (std): AKIHIRO HASHIMOTO ; AVINASH PHADKE ; DESHPANDE MILIND ; JASON ALLAN WILES ; MILIND DESHPANDE ; PHADKE AVINASH ; HASHIMOTO AKIHIRO ; WILES JASON ALLAN

Inventor(s): WILES JASON ALLAN MADISON ; HASHIMOTO AKIHIRO BRANFORD ; PHADKE AVINASH BRANFORD ; DESHPANDE MILIND MADISON

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; TORYS LLP; BEETZ AND PARTNER MBB PATENT U RECHTSANWALTE; BOULT WADE TENNANT; UNGRIA JAVIER; KNOWLES IP STRATEGIES LLC; MAXWELL LESLIE ANNE

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
AU2014250762 AA	20141016	LSPB	+	published / reissued	
AU2014250764 AA	20141016	LSPB	+	published / reissued	
AU2014250764 AA	20180208	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
BR112015025716 A2	20171212	LSSES	B07D	TECHNICAL EXAMINATION (OPINION) RELATED TO ARTICLE 229 OF INDUSTRIAL PROPERTY LAW	
CA2909270 AA	20151009	LSPB	+	published / reissued	
CA2909273 AA	20151009	LSPB	+	published / reissued	
CN105377868 A	20160302	LSPB	+	published / reissued	
CN105377868 A	20160302	LSPB	+C06	PUBLICATION	
CN105705511 A	20160622	LSPB	+	published / reissued	
CN105705511 A	20160622	LSPB	+C06	PUBLICATION	

EP2984097 A1	20160217	LSPB	+	published / reissued	
EP2984097 A1	20160217	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20151029
EP2984097 A1	20161116	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20161019
EP2984097 B1	20170329	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2984097 B1	20170329	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2984097 B1	20170331	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2984097 B1	20170415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 879664 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170415
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EP2984097 B1	20170511	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602014008111 COUNTRY OF REF DOCUMENT : DE
EP2984097 B1	20170710	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2623287 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20170710

EP2984097 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NO 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 : 20170629
EP2984097 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LT 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 : 20170329
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EP2984097 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170426 YEAR OF FEE PAYMENT : 4
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				NATIONAL CODE	REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 879664 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170329
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				EPO	THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170329
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EP2984097 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20170430
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EP2984097 B1	20180307	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180103
EP2984097 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20170414
EP2984097 B1	20340414	PEXP		Calculated Patent Term Expiry	
EP2984098 A2	20160217	LSPB	+	published / reissued	
EP2984098 A2	20160217	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20151029
EP2984098 A2	20170517	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20170420
EP2984098 A2	20180228	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20170831
ES2623287 T3	20170710	LSGT	+	granted / extensions (spc, cpc, pte)	

ES2623287 T3	20340414	PEXP		Calculated Patent Term Expiry	
IN06833CN2015 A	20160831	LSPB	+	published / reissued	
IN06834CN2015 A	20160831	LSPB	+	published / reissued	
JP2016518359 T2	20160623	LSPB	+	published / reissued	
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JP2016518359 T2	20170414	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170414
JP2016518359 T2	20180123	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20180123
JP2016522172 T2	20160728	LSPB	+	published / reissued	
JP2016522172 T2	20170413	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170413
JP2016522172 T2	20170413	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170413
JP2016522172 T2	20180119	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20180119
KR20160002896 A	20160108	LSPB	+	published / reissued	
KR20160003700 A	20160111	LSPB	+	published / reissued	
RU2015148006 A	20170518	LSPB	+	published / reissued	
RU2015148010 A	20170515	LSPB	+	published / reissued	
US2014309164 AA	20141016	LSPB	+	published / reissued	
US2014309164 AA	20140722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACHILLION PHARMACEUTICALS INC., CONNECTICUT OLD PARTY : ASSIGNMENT

					OF ASSIGNORS INTEREST; ASSIGNORS:DESHPANDE, MILIND; WILES, JASON ALLAN; HASHIMOTO, AKIHIRO; AND OTHERS; SIGNING DATES FROM 20140708 TO 20140721; REEL/FRAME:033360/0359
US2014309164 AA	20161211	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014309189 AA	20141016	LSPB	+	published / reissued	
US9447132 BB	20160920	LSGT	+	granted / extensions (spc, cpc, pte)	
US9447132 BB	20140722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACHILLION PHARMACEUTICALS INC., CONNECTICUT OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DESHPANDE, MILIND; WILES, JASON ALLAN; HASHIMOTO, AKIHIRO; AND OTHERS; SIGNING DATES FROM 20140708 TO 20140721; REEL/FRAME:033360/0097
US9447132 BB	20160831	LSGT	PAT1	Patented Case	
US9447132 BB	20180326	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL)
US9447132 BB	20340414	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO14169278 A1	20141016	LSPB	+	published / reissued	
WO14169278 A1	20151009	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2909270 COUNTRY OF REF DOCUMENT : CA
WO14169278 A1	20151009	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2016507702 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14169278 A1	20151012	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

WO14169278 A1	20151029	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014250762 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20140414 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14169278 A1	20151110	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20157032200 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO14169278 A1	20171017	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112015025766 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20151009
WO14169280 A2	20141016	LSPB	+	published / reissued	
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WO14169280 A2	20151009	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2016507703 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14169280 A2	20151029	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014250764 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20140414 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14169280 A2	20151110	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20157032206 COUNTRY OF REF DOCUMENT : KR

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WO14169280 A2	20151112	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2015148006 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14169280 A2	20170718	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112015025716 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20151008

Title: NUCLEOTIDE AND NUCLEOSIDE THERAPEUTIC COMPOSITIONS AND USES RELATED THERETO

Abstract: This disclosure relates to nucleotide and nucleoside therapeutic compositions and uses in treating infectious diseases, viral infections, and cancer, where the base of the nucleotide or nucleoside contains at least one thiol, thione or thioether.



Classifications:

International (IPC 8-9): [A61K31/7042](#) [A61K31/706](#) [A61K31/7064](#) [A61K31/7068](#) [A61K31/7072](#) [A61K45/00](#) [A61K45/06](#) [A61K9/127](#) [A61P31/04](#) [A61P31/12](#) [A61P31/14](#) [A61P31/16](#) [A61P31/18](#) [A61P31/20](#) [A61P31/22](#) [A61P35/00](#) [A61P43/00](#) [C07D239/47](#) [C07D239/56](#) [C07D239/58](#) [C07H19/04](#) [C07H19/06](#) [C07H19/067](#) [C07H19/10](#) [C07H19/11](#) [C07H19/12](#) (Advanced/Invention)

CPC: [C07H19/10](#) [A61K9/127](#) [A61K31/7068](#) [A61K45/06](#) [C07H19/06](#) [Y02A50/409](#) [Y02A50/411](#) [Y02A50/415](#) [Y02A50/463](#) [Y02A50/475](#) [Y02A50/488](#)

US: [424/450](#)

Family:

Publication number	Publication date	Application number	Application date
AR097632 AA	20160406	AR2014P103394	20140911
EP3043803 A1	20160720	EP20140844012	20140910
EP3043803 A4	20170329	EP20140844012	20140910
JP2016530313 T2	20160929	JP20160542060T	20140910
TW201542581 A	20151116	TW20140131136	20140910
US2016220595 AA	20160804	US20140917681	20140910
UY35732 A1	20150630	UY20140035732	20140911
WO15038596 A1	20150319	WO2014US54930	20140910

Priority:

US20130876473P 20130911 US20140923317P 20140103 US20140986577P 20140430
 US20140917681 20140910 WO2014US54930 20140910

Probable Assignee: UNIV EMORY

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Inventor(s): (std): ABEL DE LA ROSA ; BLUEMLING GREGORY R ; DE LA ROSA ABEL ; DENNIS C LIOTTA ; GEORGE R PAINTER ; GREGORY R BLUEMLING ; LIOTTA DENNIS C ; PAINTER GEORGE R ; ROSA ABEL DE LA

Agent(s): BRADY PAUL ANDREW; KAWAGUTI AND PARTNERS; SMYTHE NICOLE

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
AR097632 AA	20160406	ICPB	1	published /	

				reissued	
EP3043803 A1	20160720	LSPB	+	published / reissued	
EP3043803 A1	20160720	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160407
EP3043803 A4	20170329	LSES	+A4	DESPATCH OF SUPPLEMENTARY SEARCH REPORT	EFFECTIVE DATE : 20170223
EP3043803 A4	20170329	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61K 31/7068 20060101AFI20170218BHEP
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EP3043803 A4	20180418	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20180320
JP2016530313 T2	20160929	LSPB	+	published / reissued	
JP2016530313 T2	20170908	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170908
TW201542581 A	20151116	LSPB	+	published / reissued	
US2016220595 AA	20160804	LSPB	+	published / reissued	
US2016220595 AA	20160427	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EMORY UNIVERSITY, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIOTTA, DENNIS C.; PAINTER, GEORGE R.; BLUEMLING, GREGORY R.; AND OTHERS; SIGNING DATES FROM 20140528 TO 20140529; REEL/FRAME:038390/0488

US2016220595 AA	20160427	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EMORY UNIVERSITY, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIOTTA, DENNIS C.; PAINTER, GEORGE R.; BLUEMLING, GREGORY R.; AND OTHERS; REEL/FRAME:038390/0326 EFFECTIVE DATE : 20140303
US2016220595 AA	20160427	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EMORY UNIVERSITY, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIOTTA, DENNIS C.; PAINTER, GEORGE R.; BLUEMLING, GREGORY R.; AND OTHERS; REEL/FRAME:038390/0210 EFFECTIVE DATE : 20140304
US2016220595 AA	20170202	LSES	NFA1	Non Final Action Mailed	
US2016220595 AA	20170620	LSES	NFA1	Non Final Action Mailed	
UY35732 A1	20150630	LSPB	+	published / reissued	
WO15038596 A1	20150319	LSPB	+	published / reissued	
WO15038596 A1	20160309	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14917681 COUNTRY OF REF DOCUMENT : US
WO15038596 A1	20160310	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2016542060 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO15038596 A1	20160311	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: STABILIZED NUCLEOTIDES FOR MEDICAL TREATMENT

Abstract: 5'-Deuterated nucleosides and nucleotides and modifications thereof are provided for use in medical therapies, including as antiviral, anti-tumor and anti-neoplastic agents. In one embodiment, compounds, methods and uses are provided for the treatment of hepatitis C, RSV, HSV and other viral diseases in a host, including a human.

**Classifications:**

International (IPC 8-9): [A61K31/7056](#) [A61K31/7064](#) [A61K31/7072](#) [A61K31/7076](#) [C07H19/056](#) [C07H19/10](#) [C12P19/38](#) (Advanced/Invention)

CPC: [C07H19/10](#) [A61K31/7072](#) [C07H19/056](#) [A61K31/7056](#) [C07H19/11](#) [C07B59/005](#)

US: [514/51](#) [514/52](#) [536/26.14](#) [536/26.8](#) [536/26.9](#)

Family:

Publication number	Publication date	Application number	Application date
US2016016986 AA	20160121	US20150805421	20150721
WO16014527 A2	20160128	WO2015US41327	20150721
WO16014527 A3	20160324	WO2015US41327	20150721

Priority:

US20140027061P 20140721 US20150805421 20150721

Probable Assignee: ACHILLION PHARMACEUTICALS INC

Assignee(s): (std): ACHILLION PHARMACEUTICALS INC ; DESHPANDE MILIND ; HASHIMOTO AKIHIRO ; PHADKE AVINASH ; WILES JASON ALLAN

Inventor(s): (std): DESHPANDE MILIND ; HASHIMOTO AKIHIRO ; PHADKE AVINASH ; WILES JASON ALLAN ; DESHPANDE MILIND

Agent(s): JACKSON DAVID A

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2016016986 AA	20160121	LSPB	+	published / reissued	
US2016016986 AA	20150721	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACHILLION PHARMACEUTICALS, INC., CONNECTICUT OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: DESHPANDE, MILIND; WILES, JASON ALLAN; HASHIMOTO, AKIHIRO; AND OTHERS.

REEL/FRAME:036147/0301
EFFECTIVE DATE : 20150721

US2016016986 AA	20170321	LSES	NFA1	Non Final Action Mailed	
US2016016986 AA	20170927	LSWD	- ABD3	Abandoned -- Failure to Respond to an Office Action	
WO16014527 A2	20160128	LSPB	+	published / reissued	
WO16014527 A2	20170816	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15825154 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: PYRIMIDINE NUCLEOSIDE PHOSPHORAMIDATE**Abstract:** The disclosure describes methods of synthesis of phosphoramidate ester derivatives.

Also disclosed are morphic forms of (S)-isopropyl

2-(((S)-(((2R,3R,4R,5R)-5-(5-deutero-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-3,4-dihydroxy-4-methyltetrahydrofuran-2-yl)dideuteromethoxy)-(phenoxy)phosphoryl)amino)propanoate and antiviral therapy using (S)-isopropyl 2-(((S)-(((2R,3R,4R,5R)-5-(5-deutero-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-3,4-dihydroxy-4-methyltetrahydrofuran-2-yl)dideuteromethoxy)-(phenoxy)phosphoryl)amino)-propanoate (e.g., anti-HCV therapies).

Classifications:**International (IPC 8-9):** [A61K31/7072](#) (Advanced/Invention)**CPC:** [C07H19/10](#)**Family:**

Publication number	Publication date	Application number	Application date
WO16044243 A1	20160324	WO2015US50142	20150915

Priority:

US20140051290P 20140916

Probable Assignee: ACHILLION PHARMACEUTICALS INC**Assignee(s):** (std): ACHILLION PHARMACEUTICALS INC**Inventor(s):** (std): PHADKE AVINASH ; HASHIMOTO AKIHIRO ; ELY RICHARD JAMES**Agent(s):** BELLOWS BRENT R

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

Legal status (INPADOC)[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
WO16044243 A1	20160324	LSPB	+	published / reissued	
WO16044243 A1	20170316	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16044243 A1	20171011	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15842541 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: 4'-VINYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF RESPIRATORY SYNCYTIAL VIRUS RNA REPLICATION

Abstract: wherein the variable substituents are as defined herein. The compounds of Formula I and pharmaceutical compositions comprising compounds of Formula I are useful for the treatment of diseases mediated by RSV.



Classifications:

International (IPC 8-9): [A61K31/52](#) [A61K31/7052](#) [A61K31/708](#) [A61K31/7125](#) [A61K31/78](#) [A61P31/12](#) [A61P31/14](#) [A61P43/00](#) [C07H](#) [C07H19/067](#) [C07H19/10](#) [C07H19/11](#) [C07H19/167](#) [C07H19/20](#) [C07H19/207](#) [C07H19/213](#) (Advanced/Invention)

International (IPC 1-7): [A61K31/52](#) [A61K31/708](#)

CPC: [C07H19/067](#) [C07H19/11](#) [C07H19/167](#) [C07H19/213](#) [C07H19/207](#) [C07H19/10](#) [C07H19/20](#)

US: [514/47](#)

Family:

Publication number	Publication date	Application number	Application date
AU2015320511 AA	20160331	AU20150320511	20150925
BR112017006264 A2	20171212	BR20171106264	20150925
CA2962770 AA	20170327	CA20152962770	20150925
CL2017000707 A1	20171215	CL20170000707	20170324
CN107073002 A	20170818	CN201580055281	20150925
CO20170003994 A2	20170711	CO20170003994	20170425
CR20170157 A	20170703	CR20170000157	20150925
EA201790632 A1	20170929	EA20170090632	20150925
EP3197457 A1	20170802	EP20150844391	20150925
ID201802886 A	20180323	ID2017P0002575	20150925
IL251368 A0	20170529	IL20150251368	20150925
IN201747014146 A	20170428	IN201747014146	20170421
JP2017529375 T2	20171005	JP20170516420T	20150925
KR20170062499 A	20170607	KR20177011174	20150925
MX2017003788 A1	20170807	MX20170003788	20150925
PE06982017 A1	20170605	PE20170000521	20150925
PH2017500558 A	20170830	PH20170500558	20170324
SG11201702430W A1	20170427	SG20171102430	20150925
US2016264611 AA	20160915	US20150865135	20150925
WO16049415 A1	20160331	WO2015US52144	20150925

Priority:

US20140055704P 20140926 US20150865135 20150925 WO2015US52144 20150925

Probable Assignee: RIBOSCIENCE LLC

Assignee(s): (std): RIBOSCIENCE LLC

Assignee(s): SMITH MARK ; KLUMPP KLAUS G

Inventor(s): (std): KLAUS G KLUMPP ; KLUMPP KLAUS G ; MARK SMITH ; SMITH MARK

Inventor(s): KLAUS G

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; ESTUDIO VILLASECA Y CIA; ALICIA LLOREDA RICAURTE; VOSSIUS AND PARTNER PATENTANWAELE RECHTSANWAELE MBB; ONO SHINJIRO; YAMAMOTO OSAMU; MIYAMAE TORU; NAKANISHI MOTOHARU; NAKATA HISASHI; KISKO JENNIFER L

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
AU2015320511 AA	20160331	LSPB	+	published / reissued	
CA2962770 AA	20170327	LSPB	+	published / reissued	
CL2017000707 A1	20171215	LSPB	+	published / reissued	
CN107073002 A	20170818	LSPB	+	published / reissued	
CN107073002 A	20170818	LSPB	PB01	PUBLICATION	
CO20170003994 A2	20170711	LSPB	+	published / reissued	
CR20170157 A	20170703	LSPB	+	published / reissued	
EA201790632 A1	20170929	LSPB	+	published / reissued	
EP3197457 A1	20170802	LSPB	+	published / reissued	
EP3197457 A1	20170802	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170426
ID201802886 A	20180323	LSPB	+	published / reissued	
IN201747014146 A	20170428	LSPB	+	published / reissued	
JP2017529375 T2	20171005	LSPB	+	published / reissued	
KR20170062499 A	20170607	LSPB	+	published / reissued	
MX2017003788 A1	20170807	LSPB	+	published / reissued	
PE06982017 A1	20170605	LSPB	+	published / reissued	
PH2017500558 A	20170830	LSPB	+	published / reissued	
SG11201702430W A1	20170427	LSPB	+	published / reissued	
US2016264611 AA	20160915	LSPB	+	published / reissued	

US2016264611 AA	20170320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RIBOSCIENCE LLC, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SMITH, MARK; KLUMPP, KLAUS G.; SIGNING DATES FROM 20170210 TO 20170215; REEL/FRAME:041644/0959
WO16049415 A1	20160331	LSPB	+	published / reissued	
WO16049415 A1	20170323	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 251368 COUNTRY OF REF DOCUMENT : IL
WO16049415 A1	20170324	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017516420 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16049415 A1	20170327	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2962770 COUNTRY OF REF DOCUMENT : CA
WO16049415 A1	20170327	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16049415 A1	20170425	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20177011174 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16049415 A1	20170504	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2015320511 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20150925 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16049415 A1	20171212	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112017006264 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20170327

Title: COMBINATIONS USEFUL TO TREAT HEPATITIS C VIRUS

Abstract: This disclosure is directed to: (a) pharmaceutical compositions that comprise two or more therapeutic agents that, inter alia, are useful for inhibiting hepatitis C virus (HCV); (b) methods for preparing such compositions; and (c) methods of use of such compositions; and (d) methods for treating HCV with a combination therapy comprising two or more anti-HCV therapeutic agents.

Classifications:

International (IPC 8-9): [A61K31/4025](#) [A61K31/454](#) [A61K31/473](#) [A61K31/4985](#) [A61K31/6615](#)

[A61K31/685](#) (Advanced/Invention);

[A61P31/14](#) (Advanced/Non-invention)

CPC: [A61K31/4025](#) [A61K31/454](#) [A61K31/473](#) [A61K31/4985](#) [A61K31/6615](#) [A61K31/685](#)

Family:

Publication number	Publication date	Application number	Application date
WO16134058 A1	20160825	WO2016US18327	20160217

Priority:

US20150117764P 20150218 US20150133005P 20150313

Probable Assignee: ABBVIE INC

Assignee(s): (std): ABBVIE INC

Inventor(s): (std): CHEN HUI JU J ; DEGOEY DAVID A ; KALTHOD VIKRAM ; KRUEGER ALLAN C ; WAGNER ROLF

Agent(s): ZHANG XU ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
WO16134058 A1	20160825	LSPB	+	published / reissued	
WO16134058 A1	20170819	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16134058 A1	20180314	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 16708850 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: ANTI-VIRAL COMPOUNDS

Abstract: The present invention features compounds effective in inhibiting active against Hepatitis C virus ("HCV") polymerase. The invention also features processes of making such compounds, compositions comprising such compounds, and methods of using such compounds to treat HCV infection.

Classifications:

International (IPC 8-9): [A61K31/675](#) [A61K31/7072](#) [A61P31/14](#) [C07F9/02](#) [C07F9/08](#) [C07F9/6512](#) [C07H19/06](#) (Advanced/Invention)

CPC: [C07F9/08](#) [C07F9/65123](#) [C07H19/10](#)

US: [514/86](#)

Family:

Publication number	Publication date	Application number	Application date
US2017057981 AA	20170302	US20160254342	20160901
US9676797 BB	20170613	US20160254342	20160901
WO17040766 A1	20170309	WO2016US49873	20160901

Priority:

US20150213378P 20150902	US20150242136P 20151015	US20150253426P 20151110
US20160294449P 20160212	US20160296801P 20160218	US20160321538P 20160412
US20160327087P 20160425	US20160351038P 20160616	US20160363640P 20160718
US20160375029P 20160815	US20160254342 20160901	

Probable Assignee: ABBVIE INC

Assignee(s): (std): ABBVIE INC

Inventor(s): (std): CHAU JACLYN ; CHEN HUI JU J ; DEGOEY DAVID A ; HALVORSEN GEOFF T ; HARTUNG JOHN ; IDE NATHAN ; KALTHOD VIKRAM ; KRUEGER ALLAN C ; KU YI YIN ; LI TONGMEI ; MARVIN CHRISTOPHER C ; RANDOLPH JOHN T ; VOIGHT ERIC ; WAGNER ROLF

Agent(s): SONALI; ZHANG XU ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017057981 AA	20170302	LSPB	+	published / reissued	
US2017057981 AA	20170202	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	

US2017057981 AA	20170502	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HALVORSEN, GEOFF T.; MARVIN, CHRISTOPHER C.; VOIGHT, ERIC; SIGNING DATES FROM 20161020 TO 20161028; REEL/FRAME:042208/0262
US2017057981 AA	20170502	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHAU, JACLYN; CHEN, HUI-JU; DEGOEY, DAVID A.; AND OTHERS; SIGNING DATES FROM 20161018 TO 20170116; REEL/FRAME:042208/0372
US2017057981 AA	20170508	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9676797 BB	20170613	LSGT	+	granted / extensions (spc, cpc, pte)	
US9676797 BB	20170502	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HALVORSEN, GEOFF T.; MARVIN, CHRISTOPHER C.; VOIGHT, ERIC; SIGNING DATES FROM 20161020 TO 20161028; REEL/FRAME:042208/0262
US9676797 BB	20170502	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHAU, JACLYN; CHEN, HUI-JU; DEGOEY, DAVID A.; AND OTHERS; SIGNING DATES FROM 20161018 TO 20170116; REEL/FRAME:042208/0372
US9676797 BB	20170524	LSGT	PAT1	Patented Case	
US9676797 BB	20170801	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABBVIE INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WAGNER, ROLF; REEL/FRAME:043156/0340 EFFECTIVE DATE : 20161019

US9676797 BB	20360901	PEXP		Calculated Patent Term Expiry	
WO17040766 A1	20170309	LSPB	+	published / reissued	
WO17040766 A1	20180301	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2997170 COUNTRY OF REF DOCUMENT : CA
WO17040766 A1	20180303	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE