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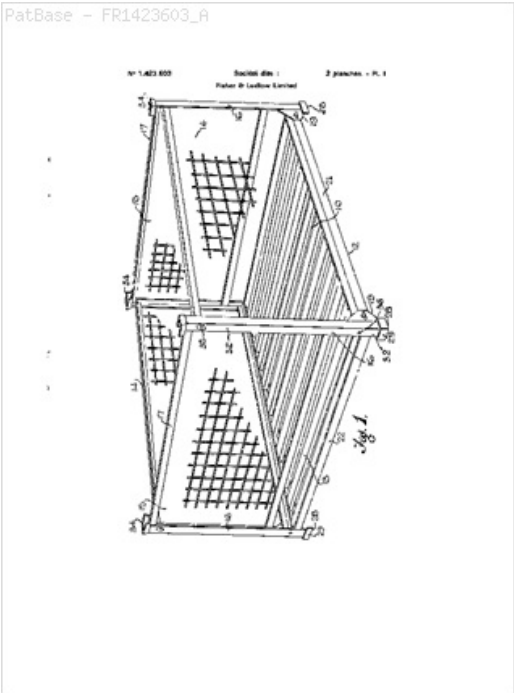
Title: PERFECTIONNEMENTS APPORTES AUX PALETTES ET CADRES SERVANT A LA MANUTENTION ET AU TRANSPORT DE MARCHANDISES IMPROVEMENTS TO PADDLE AND FRAMES FOR HANDLING AND TRANSPORTATION OF GOODS
(Machine translation)

Abstract: Source: FR1423603A [Source: Claim 1] 1. Si on le desire, les embases 28 des pieds peuvent etre depourvues des emboitures 29 formees de rebords diriges de bas en haut, et les faces de butee susmentionnees peuvent etre constituees, dans le cas de chaque element lateral, par la face interieure de chaque aile 32 de poteau d'angle qui, dans la position verticalement dressee dudit element lateral, se trouve en regard de la face 33 de la poutrelle 22 de l'element 10 formant socle, laquelle face 33 constituerait l'autre des deux faces de butee susvisees. La disposition adoptee serait telle que, comme le montre la figure 3, ces deux faces de butee au voisinage immediat de chaque coin du cadre viennent au contact mutuel l'une de l'autre lorsque les elements lateraux occupent leur position de travail, avec la tige 26 du goujon formant gond repue a l'interieur de l'evidement 27, de telle sorte que la fente 20 et la tige 26 du goujon formant gond puissent se mouvoir l'une par rapport a l'autre dans le sens de la longueur de la fente et dans une direction qui permette la separation desdites surfaces de butee anterieure- ment placees au contact l'une de l'autre pour permettre le mouvement basculant susmentionne. RESUME L'invention a pour objet un **containeur** repliable en forme de palette ou de cadre comprenant un element carre ou rectangulaire formant socle destine a supporter les marchandises et pourvu, le long de chacun de ses quatre cotes, d'un element lateral deplacable par rapport audit socle pour passer d'une position verticalement dressee ou de travail a une position de repos qui permette a la palette ou cadre d'occuper le minimum d'espace en vue de son stockage ou de son transport a vide, l'element formant socle comportant, au-dessous de son plancher destine a supporter les marchandises, une ouverture propre a recevoir les bras elevateurs d'un chariot a fourche, la susdite palette etant caracterisee par les particularites suivantes, utilisees separement ou en combinaison a. Deux elements lateraux opposes sont assemblees de maniere amovible a l'element formant socle et aux deux autres elements lateraux opposes, et ces derniers elements lateraux sont montes, au moyen de gonds places au voisinage immediat de leurs coins inferieurs, sur ledit element formant socle de maniere qu'ils puissent se rabattre vers et jusque sur ledit element formant socle pour prendre une position sensiblement horizontale et se trouver finalement au voisinage immediat dudit socle apres que les premiers elements lateraux susmentionnes aient ete detaches des elements restants de la palette, chacun desdits montages a gond consistant a prévoir, sur un des deux elements pouvant etre rabattus l'un par rapport a l'autre (e'est-a-dire sur l'element lateral considere ou sur l'element formant socle), un axe de gond travaillant dans une ouverture menagee dans l'autre desdits deux elements, chacune desdites ouvertures comprenant une partie en forme de fente s'etendant transversalement par rapport au plan de l'element lateral ra battable lorsqu'il se trouve en position de travail et comprenant en outre, le long d'un des bords longitudinaux de ladite fente, un evidement destine a recevoir et a maintenir un axe de gond et qui s'etend dans le sens transversal par rapport audit bord, ledit evidement ayant une largeur, dans le sens de la longueur de la partie en forme de fente, qui correspond sensiblement au diametre de l'axe du gond, l'element formant socle etant pourvu d'une face de butee qui s'etend transversalement par rapport au plan dans lequel bascule l'element lateral adjacent pour se rabattre et qui peut venir au contact d'une face de butee correspondante disposee sur l'element lateral lorsque ce dernier est dresse dans sa position verticale de travail et que chaque gond est engage avec ledit evidement correspondant destine a le recevoir, en suite de quoi ledit element lateral se trouve maintenu dans sa position verticalement dressee de travail; b. La susdite face de butee prevue sur l'element formant socle est constituee par une emboiture s'ouvrant vers le haut qui, lorsque le gond est loge dans son evidement de verrouillage, recoit et immobilise une partie en saillie prevue a cette fin sur l'element lateral associe; c. Ledit element formant socle comporte une pluralite de telles emboitures dont chacune se trouve menagee a l'extremite inferieure d'un pied prevu a chacun des coins dudit element formant socle, chacune desdites parties en saillie etant constituee par l'extremite inferieure d'un poteau d'angle dispose sur les cotes verticaux opposes de chaque element lateral; d. Les gonds sont prevus sur l'element formant socle et les ouvertures destinees a les recevoir sont prevues sur les elements lateraux rabattables, les evidements de verrouillage desdits gonds etant menages dans le bord longitudinal superieur de ladite fente, la disposition adoptee etant telle que, lorsque les elements lateraux sont souleves, les parties des ouvertures formant lesdits evidements sont deplacees d'une maniere correspondante de facon a amener les parties en forme de fente en regard des gonds montes sur l'element formant socle. L'invention vise plus particulierement certains modes d'application, ainsi que certains modes de realisation, des caracteristiques susvisees; et elle vise plus particulierement encore, et ce a titre de produits industriels nouveaux, les dispositifs du genre en question qui servent notamment aux operations de manutention et/ou de transport de marchandises, les outils et elements speciaux propres a leur realisation et a leur etablissement, ainsi que les ensembles complexes pouvant comporter de semblables dispositifs. [Source: Claim 1] 1. If desired, the bases 28 feet may lack the sockets 29 edges of shaped directed upwards, and butee ABOVE faces may consist, in the case of each element lateral by the inner surface of each wing 32 of the corner post that, in the vertically upright position of said lateral element, is located opposite the face 33 of the beam 22 of the element 10 forming the base, which face 33 constitutes the other of the two faces of butee ABOVEMENTIONED. The adopted arrangement is such that, as shown in Figure 3, these two faces stop for the immediate vicinity of each corner of the frame come into mutual contact with each other when the side members are in their working position, with the stem 26 of the pin forming the **hinge** sated in the interior of the recess 27, so that the slot 20 and the rod 26 of the **hinge** pin forming can move relative to the other in the lengthwise of the slot and in a direction that permits separation of said abutment surfaces anterieure- ment placed in contact to each other to allow the above-mentioned rocking motion. SUMMARY The invention relates to a collapsible **container** or **pallet**-shaped frame including a square or rectangular element forming a base indicated to support the goods and provided along each of its four sides, a lateral element movable relative said base to move from a vertically upright position or work has a rest position that allows a **pallet** or frame to occupy minimal space for storage or transportation is empty, the element forming a base including, beneath its floor destined to bear the goods, a clean opening to receive the elevators arms of a forklift fork has, the above **pallet** being characterized by the following peculiarities, used separately or in combination. Two opposite side members are detachably connected to the base member and to the other two opposite lateral, and these side members are mounted by means of **hinges** places in immediate vicinity of their bottom corners, on said base member of way they can fall back towards and onto said element forming a base to take a substantially horizontal position and finally in the vicinity immediate of said base after the first aforementioned lateral Elements have been seconded remaining Elements of the **pallet**, each of said assemblies a **hinge** consisting has predict, on one of the two Elements can be folded relative to the other (E "to say the lateral element considered or the element forming base), a **hinge** axis working in a formed opening in the other of said two members, each of said openings comprising a slot-like portion extending transversely to the plane of the lateral element ra beatable when in working position and comprising Furthermore, along one longitudinal edge of said slot, a recess to receive and retain a **hinge** axis and which extends in the transverse direction relative to said edge, said recess having a width, in the direction of the length of the part shaped slot, which substantially corresponds to the diameter of the axis of the **hinge**. l'element said pedestal being provided with a stop face which extends transversely to the plane in which the latch element side adjacent to fold and can come in contact with a corresponding face of PREPARED butee on the lateral element when it is stands in its upright position to work and that each **hinge** is engaged with said corresponding recess intended to receive it, following which said lateral element is kept in its vertical working upright position; b. The above face butee provided for forming the base element is constituted by a socket element opening up which, when the **hinge** is housed in a recess lock, receives and immobilizes a projection provided for this purpose on the element lateral associates; c. Said base member comprises a plurality of such sockets each of which is provided at the lower end of a foot provided for each of the corners of said base member, each of said projecting portions being formed by the lower extremity of a pole angle has on the opposite vertical sides of each lateral element; d. The **hinges** are planned on forming a base element and has openings destinies receive are planned on folding lateral twigs, the locking recesses being said **hinges** households in the upper longitudinal edge of the slot, the adopted arrangement being such that, when the side members are lifted, the parts of said openings forming recesses are displaced in a corresponding manner so as to cause the slot-shaped facing parts of the **hinges** mounted on the base member. The invention relates more particularly some embodiments, as well as some embodiments, the specified above; and it relates more particularly still, and it was as new industrial products, devices of the type in question are used in particular to the operations of handling and / or transportation of goods, tools and own special elements to their realization and their establishment and the complex assemblies may comprise similar devices.

Classifications:

International (IPC 8-9): B65D19/12 (Advanced/Invention);
B65D19/02 (Core/Invention)

International (IPC 1-7): B65D19/12 B65D21/00
CPC: B65D19/12 B65D2519/00059 B65D2519/00164
B65D2519/00273 B65D2519/00293 B65D2519/00298
B65D2519/00323 B65D2519/00338 B65D2519/00502
B65D2519/00512 B65D2519/00532 B65D2519/00611
B65D2519/00656 B65D2519/00925 B65D2519/00975
European: B65D19/12 L65D519/00Y1C2 L65D519/00Y1F2
L65D519/00Y2A2 L65D519/00Y2B2 L65D519/00Y2B5
L65D519/00Y2C2 L65D519/00Y2C4B L65D519/00Y2F2
L65D519/00Y2F5 L65D519/00Y2F9 L65D519/00Y3B1D
L65D519/00Y3C1A3 L65D519/00Y4H2L L65D519/00Y4K2C2



Family:

Publication number	Publication date	Application number	Application date
FR1423603 A	19660107	FR19590785802	19590204

Priority:

FR19590785802 19590204

Probable Assignee:	FISHER AND LUDLOW LTD
Assignee(s): (std):	FISHER AND LUDLOW LTD
Assignee(s):	FISHER AND LUDLOW LIMITED

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR1423603 A	19660107	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Rotable trailer

Abstract: Source: US3945521A This invention is a unique vehicle towed trailer, useful in loading and unloading power driven equipment. The trailer has the features of a rotatable bed, means for tilting the bed, means for locking and clamping towing tongue to the trailer, means for removing to trailer from the lower frame, for use as a **pallet**, means to use the lower frame as a trailer and means to rotate the trailer bed to facilitate loading and unloading of power equipment.

Classifications:

International (IPC 8-9): B60P3/06 (Advanced/Invention);

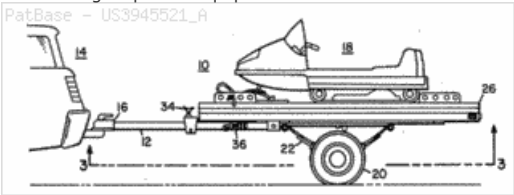
B60P3/06 (Core/Invention)

International (IPC 1-7): B60P3/00

CPC: B60P3/062

European: B60P3/06B

US: 214/506 280/414.1 414/483



Family:

Publication number	Publication date	Application number	Application date
US3945521 A	19760323	US19740470610	19740516

Priority:

US19740470610 19740516

Probable Assignee:

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Assignee(s): (std):

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Inventor(s): (std):

DECKER WARREN L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US3945521 A	19760323	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: COLLAPSIBLE STORAGE BIN

Abstract: Source: US4674647A The present invention provides a heavy duty, high strength, collapsible **pallet** type **container** which may be formed entirely by injection molded plastic techniques and which is designed for nesting when stacked in the erected or collapsed mode. The side and end walls of the **container** are pivotally connected to the **pallet** base means of integrally molded snap-fitting **hinges**.

Classifications:

International (IPC 8-9): B65D19/18 B65D25/00 B65D6/00

B65D6/18 (Advanced/Invention);

B65D19/02 B65D25/00 B65D6/18 (Core/Invention)

International (IPC 1-7): B65D19/12 B65D19/18 B65D21/06

B65D6/00 B65D6/18 B65D6/26 B65D7/24

CPC: B65D25/005 B65D2519/00587 B65D19/18 B65D2519/00034

B65D2519/00069 B65D2519/00174 B65D2519/00268

B65D2519/00288 B65D2519/00318 B65D2519/00422

B65D2519/00502 B65D2519/00557 B65D2519/00651

B65D2519/00805 B65D2519/009 B65D2519/00975 B65D2519/00597

European: B65D19/18 B65D25/00B L65D519/00Y1B4

L65D519/00Y1C4 L65D519/00Y1F4 L65D519/00Y2A1

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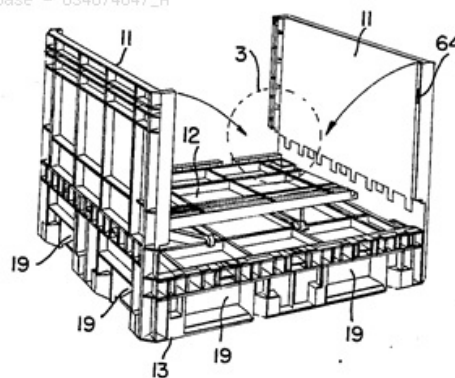
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L65D519/00Y3C1A2 L65D519/00Y4D L65D519/00Y4H2D

L65D519/00Y4K2C2

US: 220/1.5 220/6

PatBase - US4674647_R



Family:

Publication number	Publication date	Application number	Application date
CA1246470 A1	19881213	CA19850487936	19850731
DE3575112 D1	19900208	DE19853575112	19850801
EP0211116 A2	19870225	EP19850305500	19850801
EP0211116 A3	19870930	EP19850305500	19850801
EP0211116 B1	19900103	EP19850305500	19850801
IL79170 A0	19860930	IL19860079170	19860620
IL79170 A1	19910816	IL19860079170	19860620
JP62004048 A2	19870110	JP19850245265	19851031
US4674647 A	19870623	US19850802628	19851129

Priority:

CA19850487936 19850731 US19850747810 19850621 US19850802628 19851129

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Assignee(s): (std): XYTEC PLASTICS INC ; ZAITETSUKU PLAST INC

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Agent(s): FRAYNE AND CO ROBERT; REINHOLD COHN AND PARTNERS

Designated states: DE FR GB IT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA1246470 A1	19881213	LSPB	+	published / reissued	
CA1246470 A1	20051213	LSLE	-MKEX	EXPIRY	
DE3575112 D1	19910124	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3575112 D1	20050825	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	OWNER NAME : ARCA SYSTEMS INTERNATIONAL AB, PERSTORP, SE
EP0211116 A2	19870225	LSPB	+	published / reissued	
EP0211116 A2	19880518	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19880317
EP0211116 A2	19881005	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 19880823
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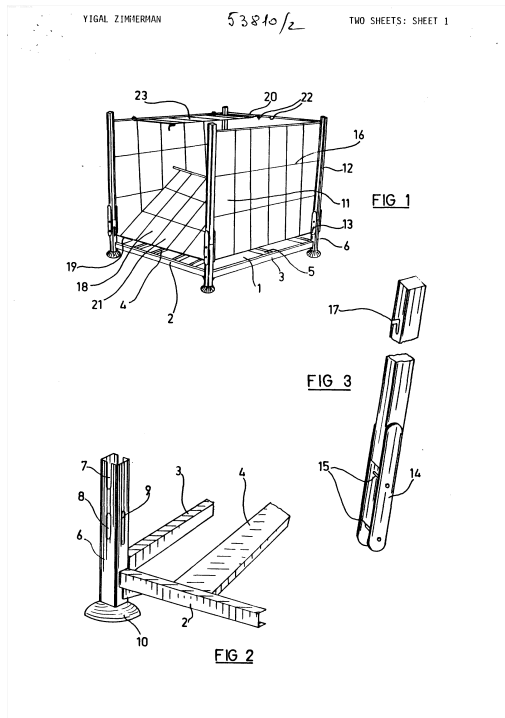
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EP0211116 A2	20050826	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CD
EP0211116 B1	19900103	LSGT	+	granted / extensions (spc, cpc, pte)	
IL79170 A0	19961016	LSFE	+KB	PATENT RENEWED	
IL79170 A0	20060905	LSLE	-EXP	PATENT EXPIRED	
IL79170 A1	19910816	LSPB	+	published / reissued	
JP62004048 A2	19870110	LSPB	+	published / reissued	
US4674647 A	19870623	LSGT	+	granted / extensions (spc, cpc, pte)	
US4674647 A	19870625	LSAS	AS	ASSIGNMENT	OWNER NAME : UNITED STATES TRUST COMPANY OF NEW YORK, A NEW YOR DESCRIPTION : SECURITY INTEREST; ASSIGNOR:XYTEC PLASTICS, INC., A CA. CORP.; REEL/FRAME:004729/0356 EFFECTIVE DATE : 19870616
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US4674647 A	19880525	LSAS	AS	ASSIGNMENT	OWNER NAME : DAI-ICHI KANGYO BANK, LIMITED, THE, NEW YORK BRANC DESCRIPTION : SECURITY INTEREST; ASSIGNOR:XYTEC PLASTICS, INC.; REEL/FRAME:004888/0423 EFFECTIVE DATE : 19880513
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US4674647 A	19911107	LSAS	AS	ASSIGNMENT	OWNER NAME : PERSTORP XYTEC, INC., A CORP. OF DE, WASHINGTON DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:XYTEC PLASTICS, INC.; REEL/FRAME:005895/0639 EFFECTIVE DATE : 19911029
US4674647 A	19940729	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4674647 A	19980722	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12

Title: COLLAPSIBLE METAL **PALLET CONTAINER**

Abstract: Source: IL53810A1 -1041 03258cla.iss 27.5.87. CLAIMS 53810/4 1• A collapsible metal **pallet container** comprising: a rectangular base; a plurality of elongate support members located at corners of said base, each of said support members comprising an upper and a lower elongate support element, said lower element being fixedly attached to a corner of said base, and said upper element being pivotable with respect to, and selectively engageable with, said lower element; a pair of side walls **hinged** about first pivot axes, disposed between said support members, and mounted on said upper elements; a pair of end walls located between said side walls and **hinged** about pivot axes defined between said lower elements of said support member; and locking means for selectable maintaining said upper element of each of said corner support members in locked engagement with said lower element thereof. 2. A **container** according to claim 1, and wherein said lower element of each of said corner located support members defines a longitudinal axis perpendicular to the plane of said base, and wherein said upper element of said support members is retainable in locked engagement with said lower element thereof when said upper element is brought into coaxial registration therewith. 6 /3 3• A **container** according to either claim 1 or claim 2, and wherein each of said side walls comprises: a pair of said elongate support members; an upper horizontal bar mounted between said upper elements of said pair of support members; a lower horizontal bar mounted coaxially with said first pivot axis, and between said lower elements of said pair of support members; and an intermediate planar element mounted between said upper and lower horizontal bars. 4. A **container** according to claim 3. and wherein said locking means is fixedly attached to a lower end of one of said upper elements of each of said support members, said locking means comprising: a pair of parallel planar elements attached to said lower end of said upper element, said planar elements having a planar orientation perpendicular to said side walls; and upper and lower pins mounted between said planar elements the spacing between said pins corresponding to the spacing between upper and lower pairs of elongate slots formed in said lower element of each of said support members, said upper pair of elongate slots being formed in an upper edge of said lower element and being downwardly extending in a direction parallel to said longitudinal axis of said lower element, allowing said upper pin to be slidably moved therewithin and to be removed therefrom 7 /2 and replaced therein, and said lower pair of slots being formed in said lower element below said upper pair of slots and in parallel registration therewith, permitting sliding movement of said lower pin therewithin, the upper end of said lower slots also defining an upper limit of traverse of said lower pin, and thereby defining an upper limit of traverse of said upper element of said support member relative to said lower element thereof. 5• A **container** according to claim 4, and wherein each of said end walls comprises a planar element defined by upper and lower locking bars parallel to the edges of said base disposed between said side walls, said locking bars extending axially beyond said end edges of said base thereby forming end **protrusions**, each end **protrusion** of said upper locking bar being selectably retained within an inward facing L-shaped slot formed in an upper portion of said upper element of said elongate support members, and each end **protrusion** of said lower locking bar being slidably retained within an inward facing slot formed in said lower support element of said elongate support members. 6. A **container** according to any of the preceding claims, and also including a plurality of feet attached to the bottom end of said lower elements of said support members, said feet also including means for enabling the stacking of a plurality of said **containers**, each of said feet being configured for frictional retention of the top end of one of said support elements. 8 /2 J. A **container** according to claim 6, and wherein each of said feet comprises a downward facing hemisphere. 8. A **container** according to any of the preceding claims, and wherein there is additionally provided at least one upper rectangular planar closing element parallel to said base. 9• A **container** according to claim 8, and wherein said upper closing element comprises two parallel members, which members also form two sides of an intermediate framework, said framework being pivotably attached to said upper horizontal bar of said side walls by means of **hinge** elements formed on first ends of said parallel bars, said parallel bars also comprising fastening elements formed at second ends thereof for fastening to said end walls. 10. A **container** according to any of the previous claims and as hereinabove described. 11. A **container** according to any of the previous claims and as hereinabove described with reference to any of the accompanying drawings. For the applicant, SanfordPrXoTb and Co. C 03258 1-1041 9

Classifications:

International (IPC 1-7): B65D19/12



Family:

Publication number	Publication date	Application number	Application date
IL53810 A0	19780430	IL19780053810	19780116
IL53810 A1	19880429	IL19780053810	19780116

Priority:

IL19780053810 19780116

Probable Assignee:

GIDEON GAMPEL

Assignee(s): (std):

GIDEON GAMPEL ; YIGAL ZIMMERMAN

Assignee(s):

HAGAI TAAS CO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
IL53810 A0	19961031	LSWD	-RH	PATENT VOID	
IL53810 A1	19880429	LSPB	+	published / reissued	

Title: STACKABLE AND COLLAPSIBLE **CONTAINER**

Abstract: Source: US5361923A A stackable and collapsible **container** (10) includes a wall assembly (12) which includes a plurality of opposing panels (20, 21), and **hinge** means connecting each panel (20, 21) to at least two adjacent panels (20, 21).

Classifications:

International (ipc 8-9): B32B27/00 B65D21/032

B65D6/18 (Advanced/Invention);

B32B27/00 B65D21/032 B65D6/18 (Core/Invention)

International (ipc 1-7): B32B27/00

CPC: B65D19/18 B65D2519/00034 B65D2519/00069

B65D2519/00134 B65D2519/00174 B65D2519/00208

B65D2519/00273 B65D2519/00288 B65D2519/00318

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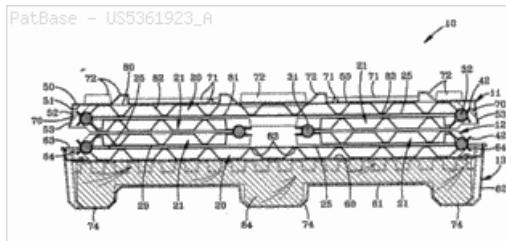
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European: B65D11/18E2

US: 220/4.29 220/429 220/6 220/666 220/669 280/6

PatBase - US5361923_A



Family:

Publication number	Publication date	Application number	Application date
US5361923 A	19941108	US19930119376	19930913

Priority:

US19930119376 19930913

Probable Assignee: FABRI FORM CO

Assignee(s): (std): FABRI FORM CO

Assignee(s): THE FABRI FORM CO ; WELLS FARGO BUSINESS CREDIT INC

Inventor(s): (std): BAKER PAUL W ; HARDING DENNIS ; KNIGHT IV JOHN W

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US5361923 A	19941108	LSGT	+	granted / extensions (spc, cpc, pte)	
US5361923 A	19930913	LSAS	AS	ASSIGNMENT	OWNER NAME : FABRI-FORM CO., THE, OHIO DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KNIGHT, JOHN W., IV; BAKER, PAUL W.; HARDING, DENNIS; REEL/FRAME:006700/0098 EFFECTIVE DATE : 19930902
US5361923 A	19960326	LSRE	CC	CERTIFICATE OF CORRECTION	
US5361923 A	19980427	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5361923 A	20020411	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5361923 A	20050113	LSAS	AS	ASSIGNMENT	OWNER NAME : WELLS FARGO BUSINESS CREDIT, INC., WISCONSIN DESCRIPTION : SECURITY INTEREST; ASSIGNOR:FABRI-FORM COMPANY, THE; REEL/FRAME:015592/0416 EFFECTIVE DATE : 20041124
US5361923 A	20061108	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5361923 A	20070102	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20061108
US5361923 A	20130731	LSAS	AS	ASSIGNMENT	OWNER NAME : FABRI-FORM COMPANY, OHIO DESCRIPTION : RELEASE BY SECURED PARTY; ASSIGNOR:WELLS FARGO BUSINESS CREDIT, INC.; REEL/FRAME:030911/0380 EFFECTIVE DATE : 20130725

Title: ROLL-UP DOOR PANEL, ROLL-UP DOOR AND FIXING

Abstract: The invention concerns a panel (7) specially designed for a roll-up door (2) with ceiling retraction and vertical displacement such a typical garage door, said panel being designed so as to be mounted on at least another similar panel (7) pivoting about an axis parallel to the normally horizontal longitudinal direction (D) when the panel is mounted in situ. Said panel comprises first and second sidings (16, 17) defining its parallel large outer surfaces (18, 19) made rigidly integral with each other; at least a longitudinal edge (14) with continuously decreasing thickness from the panel large surfaces (18, 19) up to said edge free longitudinal end (21) having in transverse cross section a generally pseudo-triangular profile, said spandrel panel total thickness being less than 3 cm.

Classifications:

International (IPC 8-9): E05D15/24 E05D15/38

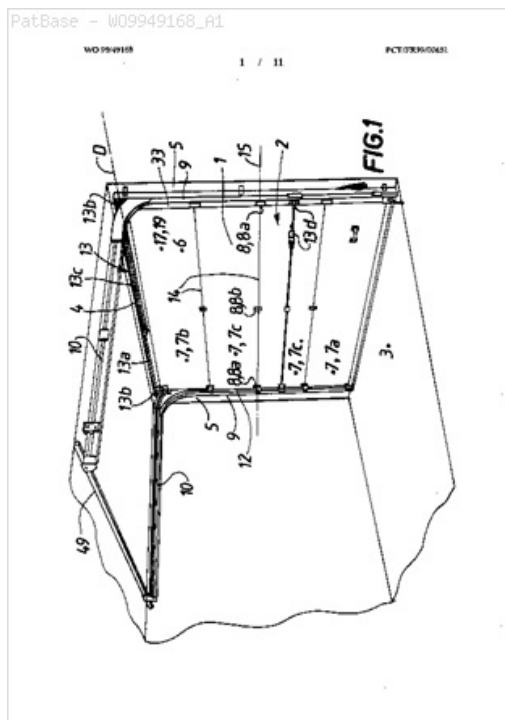
E06B3/48 (Advanced/Invention);

E05D15/00 E05D15/16 E06B3/32 (Core/Invention)

International (IPC 1-7): E05D15/24 E05D15/38 E06B3/48 E06B3/70 E06B3/88

CPC: E06B3/485

European: E06B3/48C



Family:

Publication number	Publication date	Application number	Application date
AT208456 E	20011115	AT19990400680T	19990319
AU199928440 A1	19991018	AU19990028440	19990319
AU199928441 A1	19991018	AU19990028441	19990319
CA2290432 AA	19991119	CA19992290432	19990319
CA2290449 AA	19991119	CA19992290449	19990319
DE0943776 T1	20000302	DE19990400679T	19990319
DE0943777 T1	20000302	DE19990400680T	19990319
DE69900423 D1	20011213	DE19996000423	19990319
DE69900423 T2	20020711	DE19996000423T	19990319
DE69900423 T3	20090917	DE19996000423T	19990319
EP0943776 A1	19990922	EP19990400679	19990319
EP0943777 A1	19990922	EP19990400680	19990319
EP0943777 B1	20011107	EP19990400680	19990319
EP0943777 B2	20090218	EP19990400680	19990319
FR2776334 A1	19990924	FR19980003486	19980320
FR2776334 B1	20000616	FR19980003486	19980320
WO9949168 A1	19990930	WO1999FR00651	19990319
WO9949169 A1	19990930	WO1999FR00652	19990319

Priority:

FR19980003486 19980320 WO1999FR00651 19990319 WO1999FR00652 19990319

Probable Assignee: NOVOFERM FRANCE SA

Assignee(s): (std): CESBRON JEAN ; NOVOFERM FRANCE ; NOVOFERM FRANCE MACHECOUL ; NOVOFERM FRANCE SA

Inventor(s): (std): CESBRON JEAN ; JEAN CESBRON

Agent(s): OGILVY RENAULT; DERAMBURE CHRISTIAN

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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AT208456 E	20020515	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
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AU199928440 A1	20000323	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
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AU199928441 A1	20000323	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
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CA2290432 AA	20050321	LSLE	-FZDE	DEAD	
CA2290449 AA	19991119	LSPB	+	published / reissued	
CA2290449 AA	19991119	LSNP	+AFNE	NATIONAL PHASE ENTRY	
CA2290449 AA	20050321	LSLE	-FZDE	DEAD	
DE0943776 T1	20000302	LSPB	+	published / reissued	
DE0943777 T1	20000302	LSPB	+	published / reissued	
DE69900423 D1	20071004	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	OWNER NAME : NOVOFERM FRANCE, MACHECOUL, FR
DE69900423 D1	20090827	LSOP	+8366	RESTRICTED MAINTAINED AFTER OPPOSITION PROCEEDINGS	
DE69900423 D1	20110120	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69900423 T2	20020711	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69900423 T3	20090917	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP0943777 A1	19990922	LSPB	+	published / reissued	
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EP0943777 A1	20090316	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20020320
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EP0943777 B2	20090218	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2776334 A1	19990924	LSPB	+	published / reissued	
FR2776334 A1	20070720	LSAS	TP	TRANSMISSION OF PROPERTY	
FR2776334 A1	20160128	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 19
FR2776334 A1	20170224	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 20
FR2776334 B1	20000616	LSGT	+	granted / extensions (spc, cpc, pte)	
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Title: DIRECT FORMING OF NON-TEXTILE FABRIC ELEMENTS FROM THERMOPLASTIC PELLETS OR THE LIKE

Abstract: Source: US2003180540A An inventive solid phase forming process, and related structure, using conventional pelletized thermoplastic compositions to form the elements of a non-textile fabric by coining a single pellet or briquette of the polymer into an individual element in a single forming step. The steps of the process generally include: a) positioning a pellet in or adjacent to a mold cavity, and b) forcing the pellet into contact with the mold surfaces of the mold cavity to plastically deform the pellet to cause the pellet to adapt the shape of the mold cavity. The mold cavity has a shape to form the desired element, and its volume is substantially the same as the volume of the pellet. The forcing step or act preferably uses an energy and speed wherein the pellet superplastically deforms to substantially fill the volume of the mold cavity. This process is repeated with the particular element being formed in the appropriate order to form interconnected plates and rivets, as an example, with the final result being a non-textile fabric. The elements formed by the inventive process can have any of a variety of shapes, and can form base units for the formation of the non-textile fabric of two, three or more elements. This inventive process eliminates the need to first form the pelletized polymer into a sheet or other type of preform prior to the forming of the final product.

Classifications:

International (IPC 8-9): A41D31/00 A45C3/00 B29C39/18 B29C39/20 B29C43/08 B29C43/28 B29C43/34 B29C43/36 B29C43/46 B29C45/02 B29C45/14 B29C45/73 B29C59/02 B29C65/00 B29C65/60 B29C65/70 B29C67/00 B29C67/20 B29C70/68 B29C70/74 B29D5/08 B29D99/00 B30B11/16 B32B27/04 B32B27/12 B32B3/00 B32B3/10 B32B3/14 B32B37/00 B32B7/08 B60R13/02 D04H1/00 D06N3/00 F16B5/04 F16B5/07 F16S1/02 F41H1/02 (Advanced/Invention); A44B19/00 B29C43/36 B29C65/60 B29K105/08 B32B3/00 B32B7/08 D06N3/00 F41H1/02 F41H1/04 (Advanced/Non-invention); A41D31/00 A45C3/00 B29C67/00 B29D5/00 B29K105/08 B32B27/04 B32B27/12 B32B3/10 B32B3/14 B32B7/08 B60R13/02 D04H1/00 (Core/Invention); B29C B32B (Subclass/Invention)

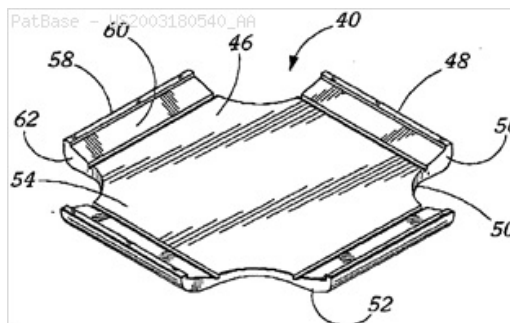
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CPC: Y10T428/17 A41D31/0005 A45C3/001 A45C2003/002 B32B3/14 B32B7/08 B60R13/02 B60R2013/0281 B60R2013/0287 Y10T442/60 Y02T10/56 B29C66/54 B29C66/543 B29C43/08 B29C43/28 B29C43/361 B29C43/46 B29C65/605 B29C2043/3444 B29C2043/3615 B29C2043/465 B29K2023/065 B29C45/0053 A41D31/0055 B29C65/56 B29C65/58 B29L2031/726 B29L2031/727 B29L2031/7288 B29L2031/7418 B29L2031/768 F41H5/0492 Y10T428/31504 B29C66/435 B29C66/474 Y10T428/249923 B29C66/71

European: A41D31/00B A41D31/00C10 A45C3/00B B29C43/08 B29C43/28 B29C43/36C B29C43/46 B29C45/00J B29C65/56 B29C65/58 B29C65/60B6 B32B3/14 B32B7/08 B60R13/02 F41H5/04H K41D31/00B K41D31/00C10 K45C3/00B K45C3/00B2 L29C43/34C L29C43/36C L29C43/36C2 L29C43/46A4 L29C65/60 L29K23/06B9 L29L31/726 L29L31/727 L29L31/7288 L29L31/7418 L29L31/768 L60R13/02Q L60R13/02R Y02T10/56

US: 156/243 190/124 2/2.5 264/167 264/241 264/242 264/249 264/251 264/259 264/261 264/263 264/263S 264/267 264/277 264/285 264/297.2 264/299 264/319 264/32 264/320 264/320S 264/325 264/328.8 428/223 428/33 428/33P 428/411.1 428/411.100P 428/53 442/327 442/327P

**Family:**

Publication number	Publication date	Application number	Application date
AR031415 AA	20030924	AR2001P105500	20011127
AR034104 AA	20040204	AR2000P105670	20001027
AT370831 E	20070915	AT20000976729T	20001026
AU200114464 A5	20010514	AU20010014464	20001026
AU200219899 A5	20020611	AU20020019899	20011128
AU2002219899 AA	20020611	AU20020219899	20011128
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AU2005201438 AA	20050428	AU20050201438	20050405
AU2005201438 BB	20071122	AU20050201438	20050405
AU781515 B2	20050526	AU20010014464	20001026
BR0107892 A	20021105	BR20010007892	20011128
BRPI0015273 A	20020716	BR2000PI15273	20001026
BRPI0015273 B1	20111116	BR2000PI15273	20001026
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EA200300618 A1	20031030	EA20030000618	20011128
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EP1224070 B1	20070822	EP20000976729	20001026
EP1353797 A1	20031022	EP20010998443	20011128
EP1353797 A4	20071114	EP20010998443	20011128
ES2292483 T3	20080316	ES20000976729T	20001026
HK1048088 A1	20071207	HK20030100287	20030113
HK1050874 A1	20091120	HK20030103193	20030506

JP2003531024 T2	20031021	JP20010534587T	20001026
JP2004514575 T2	20040520	JP20020545914T	20011128
JP4807718 B2	20111102	JP20010534587T	20001026
MXPA02004245 A1	20021017	MX2002PA04245	20001026
MXPA03004690 A1	20030905	MX2003PA04690	20011128
MY130261 A	20070629	MY20000005064	20001028
MY146955 A	20121015	MY20050001589	20001028
PH2007000003 A	20081103	PH20070000003	20070102
PH2007000004 A	20081103	PH20070000004	20070102
TH24679 B	20081015	TH20011004812	20011126
TH46130 A	20010703	TH20001004153	20001027
TH52605 A	20020821	TH20011004812	20011126
TW476701 B	20020221	TW20000122760	20001027
TW529998 B	20030501	TW20010128960	20011122
US2003180540 AA	20030925	US20030373423	20030224
US2004192138 AA	20040930	US20040491923	20040517
US2011076429 AA	20110331	US20100898532	20101005
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US2013017354 AA	20130117	US20120494344	20120612
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US7972549 BB	20110705	US20030373423	20030224
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US8491979 BB	20130723	US20120494344	20120612
US8557160 BB	20131015	US20110170220	20110628
WO0132404 A2	20010510	WO2000US29948	20001026
WO0132404 A3	20020124	WO2000US29948	20001026
WO0243955 A1	20020606	WO2001US44478	20011128

Priority:

AU20010014464	20001026	AU20050201438	20050405	US20000253649P	20001128
PH20000002939	20001027	US20000677047	20000929	US19990162344P	19991029
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US20030373423	20030224	US20070898223P	20070129	WO2001US44478	20011128
WO2000US29948	20001026	US20120494344	20120612		

Probable Assignee: SAMSONITE LLC

Assignee(s):	(std):	BROMLEY ROBERT L ; CONNOR GREGORY W O ; KING WILLIAM L ; O CONNOR GREGORY W ; GREGG JAMES S ; SAMSONITE IP HOLDINGS SARL ; SAMSONITE CORP ; THORNTON BERKLEY B JR ; SAMSONITE IP HOLDINGS S A R L
Assignee(s):		MERRILL LYNCH CAPITAL US COLLATERAL AGENT CORP AS ; SAMSONITE IP HOLDINGS RL SA ; THORNTON BERKLEY B ; THORNTON JR BERKLEY B ; SAMSONITE LLC F K A SAMSONITE CORPORATION ; SAMSONITE LLC F K A SAMSONITE CORP ; MERRILL LYNCH CAPITAL US COLLATERAL AGENT AS CORP ; SAMSONITE LLC (F K A SAMSONITE CORPORATION) ; OCONNOR GREGORY W ; MERRILL LYNCH CAPITAL CORP ; HSBC BANK USA NATIONAL ASSOCIATION COLLATERAL AGENT AS ; SAMSONITE LLC ; ROYAL BANK OF SCOTLAND PLC ; DELILAH INT ; DELILAH INT RL SA ; DELILAH INT SARL
Inventor(s):	(std):	BERKLEY B THORNTON JR ; BROMLEY ROBERT L ; CONNOR GREGORY W O ; GREGG JAMES ; GREGG JAMES S ; GREGORY W O CONNOR ; JAMES S GREGG ; KING WILLIAM L ; O CONNOR GREGORY ; O CONNOR GREGORY W ; O CONNOR GREGORY W GREGG JAMES ; THORNTON BERKLEY B ; THORNTON BERKLEY B JR ; THORNTON JR BERKLEY B ; WILLIAM L KING
Inventor(s):		OCONNOR GREGORY W ; O'CONNOR GREGORY W ; JR
Agent(s):		GRIFFITH HACK; SMART AND BIGGAR; SANTOS PILAPIL AND ASSOC; DORSEY AND WHITNEY LLP
Designated states:		AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR031415 AA	20030924	LSPB	+	published / reissued	
AR031415 AA	20070831	LSGT	+FG	GRANT, REGISTRATION	
AR034104 AA	20040204	LSPB	+	published / reissued	
AR034104 AA	20080515	LSGT	+FG	GRANT, REGISTRATION	
AT370831 E	20070915	LSGT	+	granted / extensions (spc, cpc, pte)	
AT370831 E	20080215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AU200114464 A5	20010514	LSPB	+	published / reissued	
AU200219899 A5	20020611	LSPB	+	published / reissued	
AU2002219899 AA	20020611	LSPB	+	published / reissued	
AU2002219899 BB	20070614	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2002219899 BB	20071011	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED	

				(STANDARD PATENT)	
AU2002219899 BB	20100325	LSAS	PC	ASSIGNMENT REGISTERED	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L. DESCRIPTION : FORMER OWNER WAS: SAMSONITE CORPORATION
AU2002219899 BB	20120329	LSLI	GMD	DISCHARGE OF A MORTGAGE	EFFECTIVE DATE : 20120319
AU2002219899 BB	20120621	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2005201438 AA	20050428	LSPB	+	published / reissued	
AU2005201438 AA	20080320	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2005201438 AA	20100325	LSAS	PC	ASSIGNMENT REGISTERED	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L. DESCRIPTION : FORMER OWNER WAS: SAMSONITE CORPORATION
AU2005201438 AA	20120329	LSLI	GMD	DISCHARGE OF A MORTGAGE	EFFECTIVE DATE : 20120319
AU2005201438 AA	20120524	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2005201438 BB	20071122	LSGT	+	granted / extensions (spc, cpc, pte)	
AU781515 B2	20050526	LSGT	+	granted / extensions (spc, cpc, pte)	
BR0107892 A	20021105	LSPB	+	published / reissued	
BRPI0015273 A	20020716	LSPB	+	published / reissued	
BRPI0015273 A	20090407	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0015273 A	20110315	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0015273 A	20110823	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	OWNER NAME : SAMSONITE LLC (US) DESCRIPTION : NOME ALTERADO DE: SAMSONITE CORPORATION
BRPI0015273 A	20110823	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	OWNER NAME : SAMSONITE LLC (US) DESCRIPTION : SEDE ALTERADA CONFORME SOLICITADO NA PETICAO NO 020100036819/RJ DE 28/04/2010.
BRPI0015273 A	20110906	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L. (LU) DESCRIPTION : TRANSFERIDO DE: SAMSONITE LLC
BRPI0015273 A	20110920	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L. (LU) DESCRIPTION : NOME ALTERADO DE: DELILAH INTERNATIONAL S.A.R.L.
BRPI0015273 B1	20111116	LSGT	+	granted / extensions (spc, cpc, pte)	
BRPI0015273 B1	20090407	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0015273 B1	20110315	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0015273 B1	20110823	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	OWNER NAME : SAMSONITE LLC (US) DESCRIPTION : NOME ALTERADO DE: SAMSONITE CORPORATION

BRPI0015273 B1	20110823	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	OWNER NAME : SAMSONITE LLC (US) DESCRIPTION : SEDE ALTERADA CONFORME SOLICITADO NA PETICAO NO 020100036819/RJ DE 28/04/2010.
BRPI0015273 B1	20110906	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L. (LU) DESCRIPTION : TRANSFERIDO DE: SAMSONITE LLC
BRPI0015273 B1	20110920	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L. (LU) DESCRIPTION : NOME ALTERADO DE: DELILAH INTERNATIONAL S.A.R.L.
BRPI0015273 B1	20111116	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	DESCRIPTION : PRAZO DE VALIDADE: 10 (DEZ) ANOS CONTADOS A PARTIR DE 16/11/2011, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0015273 B1	20120731	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	DESCRIPTION : ENDERECO ALTERADO CONFORME SOLICITADO NA PETICAO NO 020120012126/RJ DE 13/02/2012.
BRPI0015273 B1	20140902	LSLE	-B21F	LAPSE ACC. ART. 78, ITEM IV - ON NON-PAYMENT OF THE ANNUAL FEES IN TIME	DESCRIPTION : REFERENTE A 14A ANUIDADE.
BRPI0015273 B1	20151201	LSLE	-B24J	LAPSE BECAUSE OF NON-PAYMENT OF ANNUAL FEES (DEFINITIVELY: ART 78 IV LPI, RESOLUTION 113/2013 ART. 12)	DESCRIPTION : EM VIRTUDE DA EXTINCAO PUBLICADA NA RPI 2278 DE 02-09-2014 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDA A EXTINCAO DA PATENTE E SEUS CERTIFICADOS, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
BRPI0107892 A	20021105	LSPB	+	published / reissued	
BRPI0107892 A	20090728	LSSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0107892 A	20110823	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	OWNER NAME : SAMSONITE LLC (US) DESCRIPTION : NOME ALTERADO DE: SAMSONITE CORPORATION
BRPI0107892 A	20110823	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	OWNER NAME : SAMSONITE LLC (US) DESCRIPTION : SEDE ALTERADA CONFORME SOLICITADO NA PETICAO NO 020100036974/RJ DE 28/04/2010.
BRPI0107892 A	20110906	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L. (LU) DESCRIPTION : TRANSFERIDO DE: SAMSONITE LLC
BRPI0107892 A	20110920	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L. (LU) DESCRIPTION : NOME ALTERADO DE: DELILAH INTERNATIONAL S.A.R.L.
BRPI0107892 A	20120214	LSRV	B09B	DECISION: REFUSAL	DESCRIPTION : INDEFIRO O PRESENTE PEDIDO, COM BASE NOS ARTIGOS 80 E 13 DA LEI DA PROPRIEDADE INDUSTRIAL, LEI 9279 DE 14 DE MAIO DE 1996.

BRPI0107892 A	20120731	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L. (LU) DESCRIPTION : ENDERECO ALTERADO CONFORME SOLICITADO NA PETICAO NO 020120012127/RJ DE 13/02/2012.
BRPI0107892 A	20120807	LSAL	B12B	APPEAL: APPEAL AGAINST REFUSAL	
BRPI0107892 A	20140930	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	DESCRIPTION : REFERENTE A 13A ANUIDADE.
BRPI0107892 A	20150324	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	DESCRIPTION : REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2282 DE 30/09/2014.
CA2387765 AA	20020416	LSPB	+	published / reissued	
CA2387765 AA	20020416	LSNP	+AFNE	NATIONAL PHASE ENTRY	
CA2387765 AA	20051026	LSES	+EEER	EXAMINATION REQUEST	
CA2387765 C	20090728	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2430042 AA	20030527	LSPB	+	published / reissued	
CA2430042 AA	20030527	LSNP	+AFNE	NATIONAL PHASE ENTRY	
CA2430042 AA	20060707	LSES	+EEER	EXAMINATION REQUEST	
CA2430042 AA	20150110	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20141128
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CN100528552 C	20090819	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1191158 C	20050302	LSGT	+	granted / extensions (spc, cpc, pte)	
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CN1191158 C	20050302	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1191158 C	20100630	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	OWNER NAME : TIURILA INTERNATIONAL CO., LTD. DESCRIPTION : FORMER OWNER: SAMSONITE CO., LTD. EFFECTIVE DATE : 20100520
CN1191158 C	20100630	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN1191158 C	20100630	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	
CN1191158 C	20100630	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	OWNER NAME : SAMSONITE CO., LTD. DESCRIPTION : FORMER NAME: SAMSONITE COMPANY
CN1191158 C	20100630	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	OWNER NAME : XINXIULI IP STOCK CO., LTD. DESCRIPTION : FORMER NAME: TIURILA INTERNATIONAL CO., LTD.
CN1191158 C	20100630	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	DESCRIPTION : CORRECT: ADDRESS; FROM: DELAWARE, U.S.A. TO: LUXEMBOURG CITY, LUXEMBOURG
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CN1384778 A	20021211	LSPB	+	published / reissued	
CN1396861 A	20030212	LSPB	+	published / reissued	
CN1396861 A	20030212	LSPB	+C06	PUBLICATION	
CN1396861 A	20090819	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1396861 A	20091120	LSGT	REG	REFERENCE TO A	REF COUNTRY CODE : HK

				NATIONAL CODE	REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1050874 COUNTRY OF REF DOCUMENT : HK
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CN1396861 A	20100630	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	
CN1396861 A	20100630	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	OWNER NAME : SAMSONITE CO., LTD. DESCRIPTION : FORMER NAME: SAMSONITE COMPANY
CN1396861 A	20100630	LSAS	C56	CHANGE IN THE NAME OR ADDRESS OF THE PATENTEE	OWNER NAME : XINXIULI IP STOCK CO., LTD. DESCRIPTION : FORMER NAME: TIURILA INTERNATIONAL CO., LTD.
CN1396861 A	20100630	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	DESCRIPTION : CORRECT: ADDRESS; FROM: DELAWARE, U.S.A. TO: LUXEMBOURG CITY, LUXEMBOURG
CN1396861 A	20150107	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN1861361 A	20061115	LSPB	+	published / reissued	
CN1861361 A	20061115	LSPB	+C06	PUBLICATION	
CN1861361 A	20100616	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1861361 A	20100630	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	OWNER NAME : TIURILA INTERNATIONAL CO., LTD. DESCRIPTION : FORMER OWNER: SAMSONITE CO., LTD. EFFECTIVE DATE : 20100520
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DE60036120 D1	20100826	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L., LUXEMBOURG, LU
DE60036120 T2	20080521	LSGT	+	granted / extensions (spc, cpc, pte)	
EA003816 B1	20031030	LSGT	+	granted / extensions (spc, cpc, pte)	
EA003816 B1	20050825	LSLE	-MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON- PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	DESIGNATED STATE(S) : AM AZ KZ KG MD TJ TM
EA003816 B1	20100630	LSRE	PC4A	REGISTRATION OF TRANSFER OF A EURASIAN PATENT BY ASSIGNMENT	
EA003816 B1	20100630	LSRE	PD4A	REGISTRATION OF	

				TRANSFER OF A EURASIAN PATENT IN ACCORDANCE WITH THE SUCCESSION IN TITLE	
EA003816 B1	20120730	LSLE	-MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON-PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	DESIGNATED STATE(S) : BY RU
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EA004561 B1	20050825	LSLE	-MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON-PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	DESIGNATED STATE(S) : AM AZ KZ KG MD TJ TM
EA004561 B1	20100630	LSRE	PC4A	REGISTRATION OF TRANSFER OF A EURASIAN PATENT BY ASSIGNMENT	
EA004561 B1	20100630	LSRE	PD4A	REGISTRATION OF TRANSFER OF A EURASIAN PATENT IN ACCORDANCE WITH THE SUCCESSION IN TITLE	
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EA200200501 A1	20021031	LSPB	+	published / reissued	
EA200300618 A1	20031030	LSPB	+	published / reissued	
EP1224070 A2	20020724	LSPB	+	published / reissued	
EP1224070 A2	20020724	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020418
EP1224070 A2	20040128	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20031212
EP1224070 A2	20070822	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1224070 A2	20070914	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1224070 A2	20070919	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1224070 A2	20071207	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1048088 COUNTRY OF REF DOCUMENT : HK
EP1224070 A2	20080131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : NL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20080201	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	
EP1224070 A2	20080229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CH DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
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				POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20080229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : AT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20080229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20080229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1224070 A2	20080316	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2292483 KIND CODE OF REF DOCUMENT : T3
EP1224070 A2	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20071123
EP1224070 A2	20080530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20080122
EP1224070 A2	20080530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MC DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20071031
EP1224070 A2	20080530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20071122
EP1224070 A2	20080730	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20080526
EP1224070 A2	20081031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20071026
EP1224070 A2	20090130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO	REF COUNTRY CODE : DE PAYMENT DATE : 20081031

				NATIONAL OFFICE	YEAR OF FEE PAYMENT : 09
EP1224070 A2	20090130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20081031 YEAR OF FEE PAYMENT : 09
EP1224070 A2	20090227	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20081013 YEAR OF FEE PAYMENT : 09
EP1224070 A2	20090227	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20081013 YEAR OF FEE PAYMENT : 09
EP1224070 A2	20090331	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20081018 YEAR OF FEE PAYMENT : 09
EP1224070 A2	20090430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20081006 YEAR OF FEE PAYMENT : 09
EP1224070 A2	20090731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CY DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070822
EP1224070 A2	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LU DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20071026
EP1224070 A2	20091130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20090914 YEAR OF FEE PAYMENT : 10
EP1224070 A2	20100129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20091030 YEAR OF FEE PAYMENT : 10
EP1224070 A2	20100129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20091027 YEAR OF FEE PAYMENT : 10
EP1224070 A2	20100430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20091020 YEAR OF FEE PAYMENT : 10
EP1224070 A2	20100430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20091014 YEAR OF FEE PAYMENT : 10
EP1224070 A2	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20110429 YEAR OF FEE PAYMENT : 11
EP1224070 A2	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20110516 YEAR OF FEE PAYMENT : 11
EP1224070 A2	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20110429 YEAR OF FEE PAYMENT : 11
EP1224070 A2	20110831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20110420 YEAR OF FEE PAYMENT : 11
EP1224070 A2	20110930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20110426 YEAR OF FEE PAYMENT : 11
EP1224070 A2	20120131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20111103 YEAR OF FEE PAYMENT : 12
EP1224070 A2	20130131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20121024 YEAR OF FEE PAYMENT : 13
EP1224070 A2	20130131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20121018 YEAR OF FEE PAYMENT : 13

EP1224070 A2	20130228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20121024 YEAR OF FEE PAYMENT : 13
EP1224070 A2	20130228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20121013 YEAR OF FEE PAYMENT : 13
EP1224070 A2	20130826	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20130826
EP1224070 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : ES DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20111027
EP1224070 A2	20140625	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20131026
EP1224070 A2	20140724	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 60036120 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140501
EP1224070 A2	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GB DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20131026
EP1224070 A2	20140801	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20140630
EP1224070 A2	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20140501
EP1224070 A2	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IT DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20131026
EP1224070 A2	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FR DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20131031
EP1224070 B1	20070822	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1353797 A1	20031022	LSPB	+	published / reissued	
EP1353797 A1	20031022	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20030527
EP1353797 A1	20071114	LSES	+A4	DESPATCH OF SUPPLEMENTARY SEARCH REPORT	EFFECTIVE DATE : 20071015
EP1353797 A1	20091216	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20091111
EP1353797 A1	20100303	LSAS	RAP1	TRANSFER OF RIGHTS OF AN EP PUBLISHED APPLICATION	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L.
EP1353797 A1	20100310	LSLI	111Z	REGISTERING OF LICENCES OR OTHER RIGHTS	DESCRIPTION : AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR EFFECTIVE DATE : 20091216
EP1353797 A1	20120411	LSAS	RAP1	TRANSFER OF RIGHTS OF AN EP PUBLISHED APPLICATION	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L
EP1353797 A1	20140122	LSDW	-18D	DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20130730
ES2292483 T3	20080316	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1048088 A1	20071207	LSGT	+	granted / extensions (spc, cpc, pte)	

HK1048088 A1	20140523	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20131026
HK1050874 A1	20091120	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1050874 A1	20140620	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20131128
JP2003531024 T2	20031021	LSPB	+	published / reissued	
JP2003531024 T2	20100227	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20100226
JP2003531024 T2	20100728	LSSE	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100727
JP2003531024 T2	20110122	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20110121
JP2003531024 T2	20110803	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20110802
JP2003531024 T2	20110818	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110810
JP2004514575 T2	20040520	LSPB	+	published / reissued	
JP2004514575 T2	20041227	LSSE	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20041126
JP2004514575 T2	20070904	LSSE	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20070904
JP2004514575 T2	20080108	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20071204
JP2004514575 T2	20090414	LSSE	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090414
JP2004514575 T2	20090710	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090709
JP2004514575 T2	20100227	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20100226
JP2004514575 T2	20100227	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20100226
JP2004514575 T2	20100908	LSSE	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100907
JP2004514575 T2	20101204	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20101203
JP2004514575 T2	20101204	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20101203
JP2004514575 T2	20110308	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20110308
JP4807718 B2	20111102	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4807718 B2	20071018	LSSE	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20070918

JP4807718 B2	20100227	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20100226
JP4807718 B2	20100728	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100727
JP4807718 B2	20110122	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20110121
JP4807718 B2	20110725	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP4807718 B2	20110803	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20110802
JP4807718 B2	20110804	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01
JP4807718 B2	20110818	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110810
JP4807718 B2	20110826	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20140826 YEAR OF FEE PAYMENT : 3
JP4807718 B2	20110826	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP4807718 B2	20150901	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
MXPA02004245 A1	20021017	LSPB	+	published / reissued	
MXPA02004245 A1	20071030	LSGT	+FG	GRANT OR REGISTRATION	
MXPA02004245 A1	20100412	LSAS	GB	TRANSFER OR ASSIGNMENT	
MXPA02004245 A1	20100412	LSAS	HC	CHANGE OF COMPANY NAME OR JURIDICAL STATUS	
MXPA03004690 A1	20030905	LSPB	+	published / reissued	
MXPA03004690 A1	20090612	LSGT	+FG	GRANT OR REGISTRATION	
MXPA03004690 A1	20100412	LSAS	GB	TRANSFER OR ASSIGNMENT	
MXPA03004690 A1	20100412	LSAS	HC	CHANGE OF COMPANY NAME OR JURIDICAL STATUS	
MY130261 A	20070629	LSGT	+	granted / extensions (spc, cpc, pte)	
MY146955 A	20121015	LSGT	+	granted / extensions (spc, cpc, pte)	
PH2007000003 A	20081103	LSPB	+	published / reissued	
PH2007000004 A	20081103	LSPB	+	published / reissued	
TH24679 B	20081015	LSGT	+	granted / extensions (spc, cpc, pte)	
TH46130 A	20010703	LSPB	+	published / reissued	
TH52605 A	20020821	LSPB	+	published / reissued	
TW476701 B	20020221	LSGT	+	granted / extensions (spc, cpc, pte)	
TW476701 B	20020709	LSGT	+GD4A	ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT	
TW476701 B	20121121	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO NON-PAYMENT OF FEES	
TW529998 B	20030501	LSGT	+	granted / extensions (spc, cpc, pte)	
TW529998 B	20030901	LSGT	+GD4A	ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION	

PATENT					
TW529998 B	20120201	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO NON-PAYMENT OF FEES	
US2003180540 AA	20030925	LSPB	+	published / reissued	
US2003180540 AA	20070322	LSAS	AS	ASSIGNMENT	OWNER NAME : MERRILL LYNCH CAPITAL CORPORATION, AS U.S. COLLATE DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR: SAMSONITE CORPORATION; REEL/FRAME: 019047/0572 EFFECTIVE DATE : 20061221
US2003180540 AA	20071129	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, COLORADO DESCRIPTION : RELEASE BY SECURED PARTY; ASSIGNOR: MERRILL LYNCH CAPITAL CORPORATION; REEL/FRAME: 020206/0228 EFFECTIVE DATE : 20071024
US2003180540 AA	20071207	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : GRANT OF SECURITY INTEREST; ASSIGNOR: SAMSONITE CORPORATION; REEL/FRAME: 020206/0407 EFFECTIVE DATE : 20071024
US2003180540 AA	20090211	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: O'CONNOR, GREGORY W.; GREGG, JAMES S.; REEL/FRAME: 022238/0490; SIGNING DATES FROM 20010103 TO 20010104
US2003180540 AA	20090923	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC (F/K/A SAMSONITE CORPORATION), MASSA DESCRIPTION : PARTIAL RELEASE OF US SECURITY INTERESTS; ASSIGNOR: THE ROYAL BANK OF SCOTLAND PLC; REEL/FRAME: 023263/0958 EFFECTIVE DATE : 20090910
US2003180540 AA	20091002	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: SAMSONITE LLC; REEL/FRAME: 023373/0947 EFFECTIVE DATE : 20090910
US2003180540 AA	20091016	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR: DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME: 023379/0194 EFFECTIVE DATE : 20090908
US2003180540 AA	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : CHANGE OF NAME; ASSIGNOR: SAMSONITE CORPORATION; REEL/FRAME: 023542/0700 EFFECTIVE DATE : 20090903
US2003180540 AA	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194; ASSIGNOR: DELILAH

					INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US2003180540 AA	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US2003180540 AA	20091120	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023548/0730 EFFECTIVE DATE : 20090922
US2004192138 AA	20040930	LSPB	+	published / reissued	
US2011076429 AA	20110331	LSPB	+	published / reissued	
US2011076429 AA	20120509	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:028179/0431 EFFECTIVE DATE : 20090910
US2011076429 AA	20120509	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:028184/0613 EFFECTIVE DATE : 20090922
US2011076429 AA	20120509	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BROMLEY, ROBERT L.; O'CONNOR, GREGORY W.; SIGNING DATES FROM 20100925 TO 20101006; REEL/FRAME:028179/0370
US2012073736 AA	20120329	LSPB	+	published / reissued	
US2012073736 AA	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:030700/0168 EFFECTIVE DATE : 20090910
US2012073736 AA	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:030705/0710 EFFECTIVE DATE : 20090222
US2012073736 AA	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:O'CONNOR, GREGORY W.; GREGG, JAMES S.; SIGNING DATES FROM 20010103 TO 20010104; REEL/FRAME:030705/0454
US2012073736 AA	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SAMSONITE

CORPORATION;
REEL/FRAME:030705/0512
EFFECTIVE DATE : 20090903

US2013017354 AA	20130117	LSPB	+	published / reissued	
US7527845 BB	20090505	LSGT	+	granted / extensions (spc, cpc, pte)	
US7527845 BB	20040730	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, COLORADO DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KING, WILLIAM L.; O'CONNOR, GREGORY W.; THORNTON, JR., BERKLEY B.; REEL/FRAME:015624/0881 EFFECTIVE DATE : 20031212
US7527845 BB	20070322	LSAS	AS	ASSIGNMENT	OWNER NAME : MERRILL LYNCH CAPITAL CORPORATION, AS U.S. COLLATE DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:019047/0572 EFFECTIVE DATE : 20061221
US7527845 BB	20071129	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, COLORADO DESCRIPTION : RELEASE BY SECURED PARTY; ASSIGNOR:MERRILL LYNCH CAPITAL CORPORATION; REEL/FRAME:020206/0228 EFFECTIVE DATE : 20071024
US7527845 BB	20071207	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : GRANT OF SECURITY INTEREST; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:020206/0407 EFFECTIVE DATE : 20071024
US7527845 BB	20090923	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC (F/K/A SAMSONITE CORPORATION), MASSA DESCRIPTION : PARTIAL RELEASE OF US SECURITY INTERESTS; ASSIGNOR:THE ROYAL BANK OF SCOTLAND PLC; REEL/FRAME:023263/0958 EFFECTIVE DATE : 20090910
US7527845 BB	20091002	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:023373/0947 EFFECTIVE DATE : 20090910
US7527845 BB	20091016	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023379/0194 EFFECTIVE DATE : 20090908
US7527845 BB	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:023542/0700 EFFECTIVE DATE : 20090903
US7527845 BB	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194;

					ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US7527845 BB	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US7527845 BB	20091120	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023548/0730 EFFECTIVE DATE : 20090922
US7527845 BB	20110616	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : RELEASE BY SECURED PARTY; ASSIGNOR:THE ROYAL BANK OF SCOTLAND PLC; REEL/FRAME:026464/0957 EFFECTIVE DATE : 20110616
US7527845 BB	20121010	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7527845 BB	20160802	LSAS	AS	ASSIGNMENT	OWNER NAME : HSBC BANK USA, NATIONAL ASSOCIATION, AS COLLATERAL DESCRIPTION : SECURITY INTEREST; ASSIGNOR:SAMSONITE IP HOLDINGS S.A R.L.; REEL/FRAME:039548/0001 EFFECTIVE DATE : 20160801
US7807247 BA	20101005	LSGT	+	granted / extensions (spc, cpc, pte)	
US7807247 BA	20090923	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC (F/K/A SAMSONITE CORPORATION), MASSA DESCRIPTION : PARTIAL RELEASE OF US SECURITY INTERESTS; ASSIGNOR:THE ROYAL BANK OF SCOTLAND PLC; REEL/FRAME:023263/0958 EFFECTIVE DATE : 20090910
US7807247 BA	20091002	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:023373/0947 EFFECTIVE DATE : 20090910
US7807247 BA	20091016	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023379/0194 EFFECTIVE DATE : 20090908
US7807247 BA	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:023542/0700 EFFECTIVE DATE : 20090903
US7807247 BA	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC,

					UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US7807247 BA	20091120	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023548/0730 EFFECTIVE DATE : 20090922
US7807247 BA	20100701	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:024625/0972 EFFECTIVE DATE : 20090910
US7807247 BA	20100701	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:024611/0871 EFFECTIVE DATE : 20090910
US7807247 BA	20100701	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:024626/0465 EFFECTIVE DATE : 20090922
US7807247 BA	20110311	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BROMLEY, ROBERT L.; O'CONNOR, GREGORY W.; SIGNING DATES FROM 20100925 TO 20101006; REEL/FRAME:025938/0918
US7807247 BA	20110616	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : RELEASE BY SECURED PARTY; ASSIGNOR:THE ROYAL BANK OF SCOTLAND PLC; REEL/FRAME:026464/0957 EFFECTIVE DATE : 20110616
US7807247 BA	20141006	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7807247 BA	20160802	LSAS	AS	ASSIGNMENT	OWNER NAME : HSBC BANK USA, NATIONAL ASSOCIATION, AS COLLATERAL DESCRIPTION : SECURITY INTEREST; ASSIGNOR:SAMSONITE IP HOLDINGS S.A R.L.; REEL/FRAME:039548/0001 EFFECTIVE DATE : 20160801
US7972549 BB	20110705	LSGT	+	granted / extensions (spc, cpc, pte)	
US7972549 BB	20070322	LSAS	AS	ASSIGNMENT	OWNER NAME : MERRILL LYNCH CAPITAL CORPORATION, AS U.S. COLLATE DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:019047/0572 EFFECTIVE DATE : 20061221

US7972549 BB	20071129	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, COLORADO DESCRIPTION : RELEASE BY SECURED PARTY; ASSIGNOR:MERRILL LYNCH CAPITAL CORPORATION; REEL/FRAME:020206/0228 EFFECTIVE DATE : 20071024
US7972549 BB	20071207	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : GRANT OF SECURITY INTEREST; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:020206/0407 EFFECTIVE DATE : 20071024
US7972549 BB	20090211	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:O'CONNOR, GREGORY W.; GREGG, JAMES S.; REEL/FRAME:022238/0490; SIGNING DATES FROM 20010103 TO 20010104
US7972549 BB	20090211	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE CORPORATION, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:O'CONNOR, GREGORY W.; GREGG, JAMES S.; SIGNING DATES FROM 20010103 TO 20010104; REEL/FRAME:022238/0490
US7972549 BB	20090923	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC (F/K/A SAMSONITE CORPORATION), MASSA DESCRIPTION : PARTIAL RELEASE OF US SECURITY INTERESTS; ASSIGNOR:THE ROYAL BANK OF SCOTLAND PLC; REEL/FRAME:023263/0958 EFFECTIVE DATE : 20090910
US7972549 BB	20091002	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A.R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:023373/0947 EFFECTIVE DATE : 20090910
US7972549 BB	20091016	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023379/0194 EFFECTIVE DATE : 20090908
US7972549 BB	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US7972549 BB	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : THE ROYAL BANK OF SCOTLAND PLC, UNITED KINGDOM DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE EXECUTION DATE AND TO REPLACE THE ENTIRE

					DOCUMENT PREVIOUSLY RECORDED ON REEL 023379 FRAME 0194; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023544/0612 EFFECTIVE DATE : 20090910
US7972549 BB	20091119	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:023542/0700 EFFECTIVE DATE : 20090903
US7972549 BB	20091120	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A.R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A.R.L.; REEL/FRAME:023548/0730 EFFECTIVE DATE : 20090922
US7972549 BB	20150625	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7972549 BB	20160802	LSAS	AS	ASSIGNMENT	OWNER NAME : HSBC BANK USA, NATIONAL ASSOCIATION, AS COLLATERAL DESCRIPTION : SECURITY INTEREST; ASSIGNOR:SAMSONITE IP HOLDINGS S.A R.L.; REEL/FRAME:039548/0001 EFFECTIVE DATE : 20160801
US8197922 BB	20120612	LSGT	+	granted / extensions (spc, cpc, pte)	
US8197922 BB	20120509	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:028179/0431 EFFECTIVE DATE : 20090910
US8197922 BB	20120509	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:028184/0613 EFFECTIVE DATE : 20090922
US8197922 BB	20120509	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BROMLEY, ROBERT L.; O'CONNOR, GREGORY W.; SIGNING DATES FROM 20100925 TO 20101006; REEL/FRAME:028179/0370
US8197922 BB	20160612	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US8197922 BB	20160802	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20160612
US8491979 BB	20130723	LSGT	+	granted / extensions (spc, cpc, pte)	
US8491979 BB	20130307	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SAMSONITE LLC, MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BROMLEY, ROBERT L.; O'CONNOR, GREGORY W.; SIGNING DATES FROM 20100925 TO 20101006; REEL/FRAME:029944/0886
US8491979 BB	20130307	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DELILAH INTERNATIONAL S.A R.L., LUXEMBOURG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC;

					REEL/FRAME:029945/0107 EFFECTIVE DATE : 20090910
US8491979 BB	20130307	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:029945/0538 EFFECTIVE DATE : 20090922
US8491979 BB	20160802	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HSBC BANK USA, NATIONAL ASSOCIATION, AS COLLATERAL OLDPARTY : SECURITY INTEREST; ASSIGNOR:SAMSONITE IP HOLDINGS S.A R.L.; REEL/FRAME:039548/0001 EFFECTIVE DATE : 20160801
US8557160 BB	20131015	LSGT	+	granted / extensions (spc, cpc, pte)	
US8557160 BB	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : DELILAH INTERNATIONAL S.A R.L., LUXEMBOURG DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SAMSONITE LLC; REEL/FRAME:030700/0168 EFFECTIVE DATE : 20090910
US8557160 BB	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE IP HOLDINGS S.A R.L., LUXEMBOURG DESCRIPTION : CHANGE OF NAME; ASSIGNOR:DELILAH INTERNATIONAL S.A R.L.; REEL/FRAME:030705/0710 EFFECTIVE DATE : 20090222
US8557160 BB	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:O'CONNOR, GREGORY W.; GREGG, JAMES S.; SIGNING DATES FROM 20010103 TO 20010104; REEL/FRAME:030705/0454
US8557160 BB	20130627	LSAS	AS	ASSIGNMENT	OWNER NAME : SAMSONITE LLC, MASSACHUSETTS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SAMSONITE CORPORATION; REEL/FRAME:030705/0512 EFFECTIVE DATE : 20090903
US8557160 BB	20160802	LSAS	AS	ASSIGNMENT	OWNER NAME : HSBC BANK USA, NATIONAL ASSOCIATION, AS COLLATERAL DESCRIPTION : SECURITY INTEREST; ASSIGNOR:SAMSONITE IP HOLDINGS S.A R.L.; REEL/FRAME:039548/0001 EFFECTIVE DATE : 20160801
WO0132404 A2	20010510	LSPB	+	published / reissued	
WO0132404 A3	20020228	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO0132404 A3	20020415	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14464/01 COUNTRY OF REF DOCUMENT : AU
WO0132404 A3	20020416	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2387765 COUNTRY OF REF DOCUMENT : CA
WO0132404 A3	20020418	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2000976729 COUNTRY OF REF DOCUMENT : EP

WO0132404 A3	20020426	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2002/004245 COUNTRY OF REF DOCUMENT : MX
WO0132404 A3	20020427	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 008150044 COUNTRY OF REF DOCUMENT : CN
WO0132404 A3	20020429	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020027005514 COUNTRY OF REF DOCUMENT : KR
WO0132404 A3	20020430	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP REF DOCUMENT NUMBER : 2001 534587 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
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WO0132404 A3	20020724	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000976729 COUNTRY OF REF DOCUMENT : EP
WO0132404 A3	20050908	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 14464/01 COUNTRY OF REF DOCUMENT : AU
WO0132404 A3	20070822	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000976729 COUNTRY OF REF DOCUMENT : EP
WO0243955 A1	20020606	LSPB	+	published / reissued	
WO0243955 A1	20020726	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020027009660 COUNTRY OF REF DOCUMENT : KR
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WO0243955 A1	20020729	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 018042651 COUNTRY OF REF DOCUMENT : CN
WO0243955 A1	20021026	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1020027009660 COUNTRY OF REF DOCUMENT : KR
WO0243955 A1	20030526	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002219899 COUNTRY OF REF DOCUMENT : AU
WO0243955 A1	20030527	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2430042 COUNTRY OF REF DOCUMENT : CA
WO0243955 A1	20030527	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001998443 COUNTRY OF REF DOCUMENT : EP
WO0243955 A1	20030527	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2003/004690 COUNTRY OF REF DOCUMENT : MX
WO0243955 A1	20031009	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642

WO0243955 A1	20031022	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001998443 COUNTRY OF REF DOCUMENT : EP
WO0243955 A1	20040517	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10491923 COUNTRY OF REF DOCUMENT : US
WO0243955 A1	20070927	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002219899 COUNTRY OF REF DOCUMENT : AU

Title: ACOUSTICALLY ENHANCED ELECTRO-DYNAMIC LOUDSPEAKERS

Abstract: Source: US2004008858A An electro-dynamic loudspeaker is provided with dampening arrangements that contribute to improved acoustical properties for the electro-dynamic planar loudspeaker. The dampening arrangements include providing a frame having a curved sidewall surface for reducing standing waves. Another design provides for a ferrofluid being disposed between the diaphragm and magnets of the electro-dynamic loudspeaker in order to dampen the resonance frequency of the device. In addition, a diaphragm of an electro-dynamic loudspeaker is provided with a short turn of conductor disposed along a fringe zone at an edge of the diaphragm in order to electro-dynamically dampen the edge resonance of the film.

Classifications:

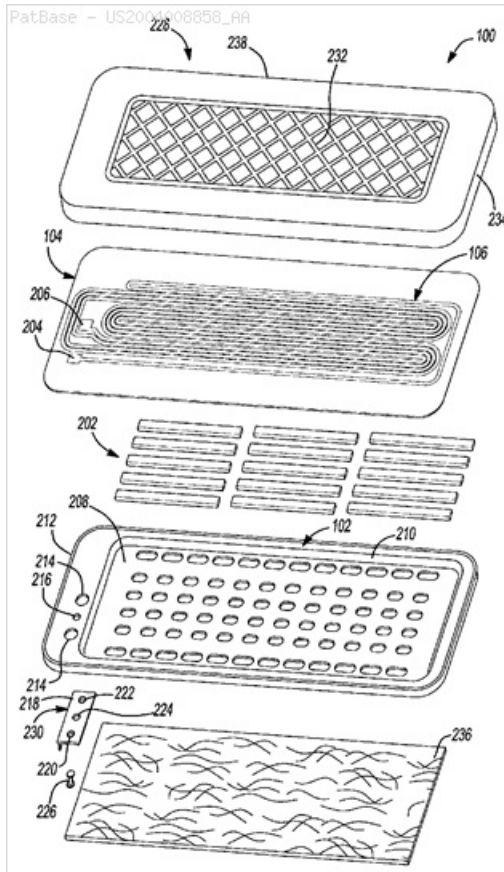
International (ipc 8-9): B32B37/00 B60R11/02 G10K11/08
H04B1/00 H04R1/00 H04R1/02 H04R1/06 H04R1/28 H04R1/34
H04R11/02 H04R17/00 H04R25/00 H04R31/00 H04R5/02 H04R7/02
H04R7/04 H04R7/06 H04R7/18 H04R7/22 H04R9/00 H04R9/02
H04R9/04 H04R9/06 (Advanced/Invention);
B60R11/00 H04R1/02 H04R7/04 H04R7/16 H04R9/00 H04R9/04
H04R9/06 (Advanced/Non-invention);
B32B37/00 B60R11/02 H04R1/00 H04R1/02 H04R1/06 H04R1/28
H04R1/32 H04R11/00 H04R25/00 H04R31/00 H04R5/02 H04R7/00
H04R9/00 (Core/Invention);
B60R11/00 H04R1/02 H04R7/00 H04R9/00 (Core/Non-invention)

International (ipc 1-7): A47F5/00 A47K1/00 G10K11/00 H01R9/22
H04N7/16 H04N7/18 H04R1/00 H04R1/02 H04R1/06 H04R1/28
H04R11/02 H04R25/00 H04R31/00 H04R7/02 H04R7/04 H04R9/00
H04R9/02 H04R9/06

CPC: B60K35/00 B60K37/06 B60K2350/1024 B60K2350/1028
H04R31/00 H04R1/345 H04R1/02 Y10T29/49002 Y10T29/49005
Y10T29/4908 Y10T156/1052 Y10T156/108 Y10T156/1089
B32B2037/1081 H04R5/02 H04R11/02 Y10T29/49169 B60R11/0217
B60R11/0205 B60R11/0211 B60R11/0223 B60R11/0235
B60R2011/0003 B60R2011/0017 B60R2011/0028 B60R2011/0082
B60R2011/0094 B60R2011/0288 H04R1/025 H04R1/026 H04R1/06
H04R7/04 H04R7/18 H04R9/025 H04R9/047 H04R9/06 H04R31/003
H04R31/006 H04R2400/11 H04R2499/13 H04R2201/34

European: B60K35/00 B60K37/06 B60R11/02D B60R11/02D2
B60R11/02E2 H04R1/02 H04R1/06 H04R1/34C H04R11/02
H04R31/00 H04R31/00F H04R5/02 H04R7/04 H04R7/18 H04R9/02D
H04R9/04N2 L32B37/10H L60K350/10J5 L60K350/10J5D
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L60R11/00T L60R11/02A L60R11/02C L60R11/02D L60R11/02D2
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T04R31/00B T04R31/00F T04R400/11 T04R499/13 T04R7/04
T04R9/02D T04R9/04N2 T04R9/06

US: 156/250 156/267 156/273.3 156/273.300S 156/292 156/293
156/297 156/73.1 181/176 248/226.11 248/226.110P 248/309.1
248/309.100P 264/212 264/216 264/272.12 264/320 264/323
264/331.12 29/592.1 29/594 29/594P 29/609.1 29/854 29/854S
381/113 381/116 381/119 381/174 381/176 381/190 381/191
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381/421 381/423 381/423P 381/423S 381/424 381/424P 381/424S
381/426 381/426S 381/431 381/431P 381/431S 381/433
381/86 381/87 439/894 439/894P 725/75 725/75P 725/77 725/77S

**Family:**

Publication number	Publication date	Application number	Application date
AU2002322338 AA	20030303	AU20020322338	20020625
AU2003228820 AA	20031117	AU20030228820	20030502
AU2003228820 AH	20031117	AU20030228820	20030502
CN101877809 A	20101103	CN200910246343	20030502
CN101877809 B	20130612	CN200910246343	20030502
CN101977340 A	20110216	CN200910246340	20030502
CN101977341 A	20110216	CN200910246341	20030502
CN101982985 A	20110302	CN200910246342	20030502
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Priority:

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Probable Assignee: HARMAN INT IND INC

Assignee(s): (std): HARMAN INT IND ; HARMAN INT IND INC ; IRACLIANOS SPIRO ; HOUSE WILLIAM NEAL ; HUTT STEVEN W ; STEERE JOHN F ; MANGO LOUIS A ; MIHELICH RYAN ; AUGUSTIN SR KEVIN C ; BECKER DAVID ; BOWMAN ROBERT ; FENWICK RONALD E ; GARNER DAVID B

Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; KEELE D BROADUS ; HEROLD RICHARD J ; HARMAN INT IND INCORPORATION ; HARMAN INTERNATL INDUSTRIES INC ; HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH ; HARMAN INTERNATL IND INC ; HARMON INT IND INC ; HARMON INT IND ; HUMAN INT IND INC ; JPMORGAN CHASE BANK NA ; AUGUSTIN KEVIN C ; AUGUSTIN SR

Inventor(s): (std): AUGUSTIN SR KEVIN C ; BECKER DAVID ; BOWMAN ROBERT ; DAVID B GARNER ; AUGUSTIN KEVIN C ; FENWICK RONALD E ; HUTT STEVEN W ; IRACLIANOS SPIRO ; JOHN F STEERE ; KEELE D BROADUS ; KEELE JR D B ; LOUIS A MANGO ; MANGO LOUIS A ; MIHELICH RYAN ; NEAL HOUSE WILLIAM ; RONALD E FENWICK ; RYAN MIHELICH ; GARNER DAVID B ; HEROLD RICHARD J ; HOUSE WILLIAM NEAL ; SR ; SR KEVIN C AUGUSTIN ; STEERE JOHN F ; STEVEN W HUTT ; WILLIAM NEAL HOUSE

Inventor(s): AUGUSTIN ; STEERE JOHN ; SR KEVIN C ; HUTT STEVEN ; HEROLD RICHARD ; SPIRO IRACLIANOS ; GARNER DAVID ; AUGUSTIN SR ; DAVID BECKER

Agent(s): HARNESS DICKEY AND PIERCE PLC ; PAULEY PETERSEN AND ERICKSON

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2002322338 AA	20030303	LSPB	+	published / reissued	
AU2002322338 AA	20040311	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
AU2003228820 AA	20031117	LSPB	+	published / reissued	
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				reissued	
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CN101977340 A	20160921	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
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US2004008862 AA	20040115	LSPB	+	published / reissued	
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US2004022409 AA	20030912	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMON INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: HUTT, STEVEN W.; STEERE, JOHN F.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:014493/0244 EFFECTIVE DATE : 20030612
US2004022409 AA	20040518	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNEE NAME IS INCORRECT ON REEL/FRAME 014493/0244; ASSIGNORS: HUTT, STEVEN W.; STEERE, JOHN F.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:015351/0755 EFFECTIVE DATE : 20030612
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US2004237111 AA	20041125	LSPB	+	published / reissued	
US2004237111 AA	20040516	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:IRACLIANOS, SPIRO; HOUSE, WILLIAM NEAL; HUTT, STEVEN W.; REEL/FRAME:015335/0221 EFFECTIVE DATE : 20040202
US2004237111 AA	20041115	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE NAME OF THE ASSIGNEE. DOCUMENT PREVIOUSLY RECORDED ON REEL 015335 FRAME 0221; ASSIGNORS:IRACLIANOS, SPIRO; HOUSE, WILLIAM NEAL; HULT, STEVEN W.; REEL/FRAME:015376/0241 EFFECTIVE DATE : 20040202
US2005036646 AA	20050217	LSPB	+	published / reissued	
US2005135653 AA	20050623	LSPB	+	published / reissued	
US2005157904 AA	20050721	LSPB	+	published / reissued	
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE

					BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRA:022659/0743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331

US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743

					EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US2005157904 AA	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US2005157904 AA	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US2005157904 AA	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US2005157904 AA	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US2005157904 AA	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US2008172859 AA	20080724	LSPB	+	published / reissued	
US2008172859 AA	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN

					INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7035425 BB	20060425	LSGT	+	granted / extensions (spc, cpc, pte)	
US7035425 BB	20030812	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HUTT, STEVEN W.; GARNER, DAVID B.; STEERE, JOHN F.; REEL/FRAME:014378/0242 EFFECTIVE DATE : 20030612
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK

					DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331

US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7035425 BB	20091026	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7035425 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143

					EFFECTIVE DATE : 20101201
US7035425 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7035425 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7035425 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7035425 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7035425 BB	20131025	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7136501 BB	20061114	LSGT	+	granted / extensions (spc, cpc, pte)	
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743

					EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743

EFFECTIVE DATE : 20090331

US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND

					OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7136501 BB	20100514	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7136501 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRA:025795/0143 EFFECTIVE DATE : 20101201
US7136501 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRA:025795/0143 EFFECTIVE DATE : 20101201
US7136501 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRA:025823/0354 EFFECTIVE DATE : 20101201
US7136501 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRA:029294/0254 EFFECTIVE DATE : 20121010
US7136501 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRA:029294/0254 EFFECTIVE DATE : 20121010
US7136501 BB	20140514	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7146017 BB	20061205	LSGT	+	granted / extensions (spc, cpc, pte)	
US7146017 BB	20030812	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:STEERE, JOHN F.; FENWICK, RONALD E.; GARNER, DAVID B.; REEL/FRA:014378/0252; SIGNING DATES FROM 20030610 TO 20030611
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS;

					REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER

					SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER

					SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7146017 BB	20100607	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7146017 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7146017 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7146017 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7146017 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT;

					REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7146017 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7146017 BB	20140605	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7149321 BB	20061212	LSGT	+	granted / extensions (spc, cpc, pte)	
US7149321 BB	20030825	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HUTT, STEVEN W.; HOUSE, WILLIAM NEAL; REEL/FRAME:014431/0977; SIGNING DATES FROM 20030612 TO 20030701
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES,

					INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY

					AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7149321 BB	20100614	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US7149321 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7149321 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7149321 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7149321 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7149321 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7149321 BB	20140612	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7152299 BB	20061226	LSGT	+	granted / extensions (spc, cpc, pte)	
US7152299 BB	20030912	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMON INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANGO, LOUIS A.; STEERE, JOHN F.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:014493/0270; SIGNING DATES FROM 20030610 TO 20030611
US7152299 BB	20040518	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : CORRECTIVE COVERSHEET TO CORRECT THE NAME OF THE ASSIGNEE THAT WAS PREVIOUSLY RECORDED ON REEL 014493, FRAME 0270.; ASSIGNORS:MANGO, LOUIS A.; STEERE, JOHN F.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:015351/0749; SIGNING DATES FROM 20030610 TO 20030611
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE

					BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743

					EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520;

					REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7152299 BB	20100628	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7152299 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7152299 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7152299 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7152299 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7152299 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER

					AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7152299 BB	20140626	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7155026 BB	20061226	LSGT	+	granted / extensions (spc, cpc, pte)	
US7155026 BB	20030822	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:AUGUSTIN, KEVIN C., SR.; HUTT, STEVEN W.; REEL/FRAME:014424/0523 EFFECTIVE DATE : 20030610
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743

					EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND

					OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7155026 BB	20100628	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7155026 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT

					DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7155026 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7155026 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7155026 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7155026 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7155026 BB	20140626	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7203332 BB	20070410	LSGT	+	granted / extensions (spc, cpc, pte)	
US7203332 BB	20030912	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMON INTERNATIONAL INDUSTRIES, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HUTT, STEVEN W.; STEERE, STEVEN W.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:014498/0756 EFFECTIVE DATE : 20030612
US7203332 BB	20040527	LSAS	AS	ASSIGNMENT	OWNER NAME : HUMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CALI DESCRIPTION : REQUESTING CORRECTION OF NAME OF ASSIGNEE AND SECOND INVENTOR'S NAME, PER ATTACHED REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT; ASSIGNORS:HUTT, STEVEN W.; STEERE, JOHN F.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:015490/0110 EFFECTIVE DATE : 20030612
US7203332 BB	20070227	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE PREVIOUSLY RECORDED ON REEL 015490 FRAME 0110; ASSIGNORS:HUTT, STEVEN W.; STEERE, JOHN F.; GARNER, DAVID B.; AND OTHERS; REEL/FRAME:018938/0882 EFFECTIVE DATE : 20030612
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER

					SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAAME:022659/0743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES,

					INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY

					AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7203332 BB	20101012	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7203332 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7203332 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7203332 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7203332 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE;

					ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7203332 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7203332 BB	20141010	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7236608 BB	20070626	LSGT	+	granted / extensions (spc, cpc, pte)	
US7236608 BB	20030812	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GARNER, DAVID B.; REEL/FRAME:014378/0246 EFFECTIVE DATE : 20030611
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN

					INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK

					DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7236608 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331

US7236608 BB	20101227	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7236608 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7236608 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7236608 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7236608 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7236608 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7236608 BB	20141226	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7278200 BB	20071009	LSGT	+	granted / extensions (spc, cpc, pte)	
US7278200 BB	20030912	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMON INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:STEERE, JOHN F.; GARNER, DAVID B.; REEL/FRAME:014493/0275; SIGNING DATES FROM 20030610 TO 20030611
US7278200 BB	20040518	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : TO CORRECT ASSIGNEE'S NAME ON REEL/FRAME 014493/0275; ASSIGNORS:STEERE, JOHN F.; GARNER, DAVID B.; REEL/FRAME:015333/0566; SIGNING DATES FROM 20030610 TO 20030611
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN

					INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK

					DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331

US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7278200 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7278200 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7278200 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7278200 BB	20110411	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7278200 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7278200 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE

BANK, N.A., AS ADMINISTRATIVE
AGENT;
REEL/FRAME:029294/0254
EFFECTIVE DATE : 20121010

US7278200 BB	20150409	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7316290 BB	20080108	LSGT	+	granted / extensions (spc, cpc, pte)	
US7316290 BB	20040129	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMON INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HUTT, STEVEN W.; STEERE, JOHN F.; KEELE, D. BROADUS, JR.; REEL/FRAME:014946/0410 EFFECTIVE DATE : 20040129
US7316290 BB	20040817	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES INCORPORATION, CAL DESCRIPTION : RE-RECORDED TO CORRECT SPELLING IN ASSIGNEE'S NAME ON A DOCUMENT PREVIOUSLY RECORDED AT REEL 014946FRAME 0410. (ASSIGNOR HEREBY CONFIRMS THE ASSIGNMENT OF ENTIRE INTEREST TO SAID ASSIGNEE); ASSIGNORS:HUTT, STEVEN W.; STEERE, JOHN F.; KEELE, JR., D. BROADUS; REEL/FRAME:015066/0045 EFFECTIVE DATE : 20040129
US7316290 BB	20070925	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES INCORPORATED, CALI DESCRIPTION : CORRECTION TO PREVIOUSLY RECORDED REEL 01946 FRAME 0410; ASSIGNORS:HUTT, STEVEN W.; STEERE, JOHN F.; KEELE, D. BROADUS JR.; REEL/FRAME:019913/0561 EFFECTIVE DATE : 20040129
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRAME:22659/743

					EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG

					GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES,

					INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7316290 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7316290 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7316290 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7316290 BB	20110708	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7316290 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7316290 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7316290 BB	20150708	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7627134 BB	20091201	LSGT	+	granted / extensions (spc, cpc, pte)	
US7627134 BB	20040916	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CAL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GARNER, DAVID B.; HEROLD, RICHARD J.; REEL/FRAME:015804/0481 EFFECTIVE DATE : 20040916
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS;

REEL/FRAME:022659/0743
EFFECTIVE DATE : 20090331

US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER

SERVICE-UND VERWALTUNG
GMBH; CROWN AUDIO, INC. AND
OTHERS; REEL/FRAME:22659/743
EFFECTIVE DATE : 20090331

US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES,

					INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7627134 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7627134 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7627134 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7627134 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010

US7627134 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7627134 BB	20130603	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7716808 BB	20100518	LSGT	+	granted / extensions (spc, cpc, pte)	
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100520; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100427; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRAME:022659/0743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER

					SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100218; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100225; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100304; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES,

INCORPORATED; BECKER
SERVICE-UND VERWALTUNG
GMBH; CROWN AUDIO, INC. AND
OTHERS; US-ASSIGNMENT
DATABASE UPDATED:20100330;
REEL/FRA:22659/743
EFFECTIVE DATE : 20090331

US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC.; AND OTHERS; REEL/FRA:022659/0743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100513; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20090508	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A.,NEW YORK DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; BECKER SERVICE-UND VERWALTUNG GMBH; CROWN AUDIO, INC. AND OTHERS; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRA:22659/743 EFFECTIVE DATE : 20090331
US7716808 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRA:025795/0143 EFFECTIVE DATE : 20101201
US7716808 BB	20110215	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE

					BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:025795/0143 EFFECTIVE DATE : 20101201
US7716808 BB	20110217	LSAS	AS	ASSIGNMENT	OWNER NAME : JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT DESCRIPTION : SECURITY AGREEMENT; ASSIGNORS:HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED; HARMAN BECKER AUTOMOTIVESYSTEMS GMBH; REEL/FRAME:025823/0354 EFFECTIVE DATE : 20101201
US7716808 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, CON DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7716808 BB	20121114	LSAS	AS	ASSIGNMENT	OWNER NAME : HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, CONNECTICUT DESCRIPTION : RELEASE; ASSIGNOR:JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT; REEL/FRAME:029294/0254 EFFECTIVE DATE : 20121010
US7716808 BB	20131118	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
WO03001885 A2	20030109	LSPB	+	published / reissued	
WO03001885 A3	20040329	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2004105848 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A
WO03001885 A3	20040331	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2004108220 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A
WO03001885 A3	20040506	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO03001885 A3	20040514	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10482010 COUNTRY OF REF DOCUMENT : US
WO03001885 A3	20060427	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO03001885 A3	20060427	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : JP
WO03094571 A2	20031113	LSPB	+	published / reissued	
WO03094571 A3	20041102	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020047017643 COUNTRY OF REF DOCUMENT : KR
WO03094571 A3	20041102	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004502676 COUNTRY OF REF DOCUMENT : JP
WO03094571 A3	20041202	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003726592 COUNTRY OF REF DOCUMENT : EP
WO03094571 A3	20041216	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003813960X COUNTRY OF REF DOCUMENT : CN
WO03094571 A3	20041231	LSPB	+WWP	WIPO INFORMATION:	REF DOCUMENT NUMBER : 1020047017643

WO03094571 A3	20050525	LSPB	+WWP	PUBLISHED IN NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : KR
				WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003726592 COUNTRY OF REF DOCUMENT : EP

Title: COLLAPSIBLE **CONTAINER** FOR TRANSPORT AND STORAGE

Abstract: Source: US2004256385A Collapsible **container** which includes a base member, collapsible side walls, which adjacent side walls are inter-connectable. The base member is provided with feet members, a circumambient edge and a mainly horizontal load surface. The load surface is provided with recesses extending downwards from the load surface, said recesses being arranged adjacent the edge. At least one side wall is provided with downwards extending **protrusions**, said **protrusions** being arranged to interact with said recesses. Said at least one side wall engages the base member through vertical motion.

Classifications:

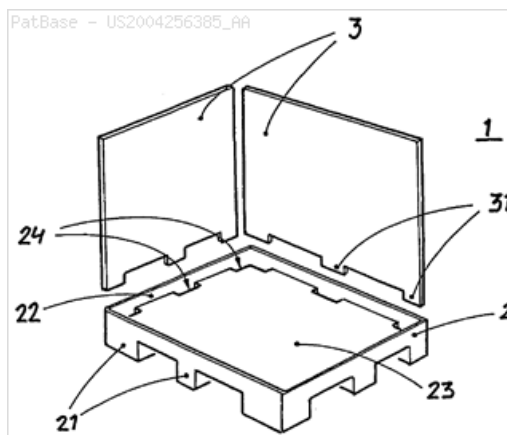
International (IPC 8-9): B65D19/00 B65D19/18 B65D19/38
B65D19/44 B65D6/00 B65D6/16 B65D6/18 B65D6/22 B65D6/24
B65D6/26 B65D77/06 B65D88/00 B65D88/52 (Advanced/Invention);
B65D19/38 (Advanced/Non-invention);
B65D19/00 B65D19/02 B65D19/38 B65D6/16 B65D6/18 B65D77/06
B65D88/00 (Core/Invention)

International (IPC 1-7): B65D19/02 B65D19/18 B65D19/38
B65D6/12 B65D6/18 B65D6/22 B65D6/24 B65D6/26 B65D77/06
B65D88/52

CPC: B65D19/18 B65D2519/00034 B65D2519/00069
B65D2519/00174 B65D2519/00268 B65D2519/00288
B65D2519/00338 B65D2519/00407 B65D2519/00422
B65D2519/00557 B65D2519/00587 B65D2519/00641
B65D2519/00318 B65D2519/00412 B65D2519/00497
B65D2519/00502 B65D2519/00646 B65D2519/00805
B65D2519/00905

European: B65D19/18 L65D519/00Y1B4 L65D519/00Y1C4
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L65D519/00Y4H2D2

US: 108/55.3 108/55.300S 206/600 220/1.5 220/1.500P 220/4.28 220/6 220/6P 220/7 220/7S



Family:

Publication number	Publication date	Application number	Application date
AT330857 E	20060715	AT20020800295T	20021001
CN100406354 C	20080730	CN20028022868	20021001
CN1589213 A	20050302	CN20028022868	20021001
DE60212677 D1	20060803	DE20026012677	20021001
DE60212677 T2	20070628	DE20026012677T	20021001
EP1440011 A1	20040728	EP20020800295	20021001
EP1440011 B1	20060621	EP20020800295	20021001
ES2264498 T3	20070101	ES20020800295T	20021001
JP2005503972 T2	20050210	JP20030532367T	20021001
JP3930856 B2	20070613	JP20030532367T	20021001
KR100897030 B1	20090514	KR20047005070	20021001
KR20040033330 A	20040421	KR20047005070	20021001
PT1440011 T	20060831	PT20020800295T	20021001
SE200103332 A0	20011004	SE20010003332	20011004
US2004256385 AA	20041223	US20040491624	20040811
US2008203089 AA	20080828	US20080039587	20080228
US7347328 BB	20080325	US20020491624	20021001
US8109402 BB	20120207	US20080039587	20080228
WO03029090 A1	20030410	WO2002SE01784	20021001

Priority:

SE20010003332 20011004 US20020491624 20021001 US20040491624 20040811
US20080039587 20080228 WO2002SE01784 20021001 WO2002SE01784 20040406

Probable Assignee: SCHOELLER ARCA SYSTEMS AB

Assignee(s): (std): ARCA SYSTEMS AB ; ARCA SYSTEMS AG ; HARTWALL PETER ; SCHOELLER ARCA SYSTEMS AB

Inventor(s): (std): HARTWALL PETER ; PETER HARTWALL

Agent(s): NOVAK DRUCE AND QUIGG LLP; STEVENS DAVIS MILLER AND MOSHER LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT330857 E	20060715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT330857 E	20061215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
CN100406354 C	20080730	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1589213 A	20050302	LSPB	+	published / reissued	

CN1589213 A	20050302	LSPB	+C06	PUBLICATION	
CN1589213 A	20080730	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
DE60212677 D1	20070802	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60212677 D1	20071220	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	OWNER NAME : SCHOELLER ARCA SYSTEMS AB, PERSTORP, SE
DE60212677 T2	20070628	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1440011 A1	20040728	LSPB	+	published / reissued	
EP1440011 A1	20040728	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040405
EP1440011 A1	20040818	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : HARTWALL, PETER
EP1440011 A1	20060621	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 : 20060621
EP1440011 A1	20060621	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 : 20060621
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EP1440011 A1	20060621	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060621
EP1440011 A1	20060621	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060621
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EP1440011 A1	20060630	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1440011 A1	20060726	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1440011 A1	20060921	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF

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EP1440011 A1	20060921	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SE 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 : 20060921
EP1440011 A1	20061031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20061031
EP1440011 A1	20061229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1440011 A1	20070101	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2264498 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1440011 A1	20070530	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20070322
EP1440011 A1	20070802	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : PT OWNER : SCHOELLER ARCA SYSTEMS AB, SE REF LEGAL EVENT CODE : PD4A EFFECTIVE DATE : 20070723
EP1440011 A1	20071123	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CD
EP1440011 A1	20071231	LSAS	BECN	BE: CHANGE OF HOLDER'S NAME	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : SCHOELLER ARCA SYSTEMS A.B. EFFECTIVE DATE : 20060621
EP1440011 A1	20080430	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 : 20060922
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EP1440011 A1	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060621
EP1440011 A1	20080731	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 : 20061001

EP1440011 A1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CY 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 : 20060621
EP1440011 A1	20090831	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20071001
EP1440011 A1	20110331	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20101028 YEAR OF FEE PAYMENT : 9
EP1440011 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20101028 YEAR OF FEE PAYMENT : 9
EP1440011 A1	20110729	LSRE	+PGRI	POSTGRANT: PATENT REINSTATED IN CONTRACTING STATE	COUNTRY OF REF DOCUMENT : IT REINSTATED DATE : 20110616
EP1440011 A1	20111130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20110927 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20111130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20110907 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20111130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20110927 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20120131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20111020 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20120131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20111020 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20120131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20111025 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20120131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20111024 YEAR OF FEE PAYMENT : 10
EP1440011 A1	20130409	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PT REF LEGAL EVENT CODE : MM4A TEXT : LAPSE DUE TO NON-PAYMENT OF FEES EFFECTIVE DATE : 20130401
EP1440011 A1	20130430	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : SCHOELLER ARCA SYSTEMS A.B. EFFECTIVE DATE : 20121031
EP1440011 A1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20121001
EP1440011 A1	20130515	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20130501
EP1440011 A1	20130626	LSLE	-GBPC	GB: EUROPEAN PATENT	REF COUNTRY CODE : EP

					CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20121001
EP1440011 A1	20130717	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A	
EP1440011 A1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20121031	
EP1440011 A1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20121001	
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EP1440011 A1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130501	
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EP1440011 A1	20130830	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20121001	
EP1440011 A1	20140116	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20140116	
EP1440011 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20121001	
EP1440011 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20121002	
EP1440011 A1	20151102	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14	
EP1440011 A1	20160129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20151026 YEAR OF FEE PAYMENT : 14	
EP1440011 A1	20160229	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20151102 YEAR OF FEE PAYMENT : 14	
EP1440011 A1	20161014	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 : 15	
EP1440011 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL	COUNTRY OF REF	

				FEES PAID TO NATIONAL OFFICE	DOCUMENT : DE PAYMENT DATE : 20161021 YEAR OF FEE PAYMENT : 15
EP1440011 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20161014 YEAR OF FEE PAYMENT : 15
EP1440011 B1	20060621	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2264498 T3	20070101	LSGT	+	granted / extensions (spc, cpc, pte)	
JP2005503972 T2	20050210	LSPB	+	published / reissued	
JP3930856 B2	20070613	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3930856 B2	20060308	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20060307
JP3930856 B2	20060907	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20060906
JP3930856 B2	20061221	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20061110
JP3930856 B2	20070130	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP3930856 B2	20070221	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20070220
JP3930856 B2	20070315	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20070309
JP3930856 B2	20070316	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP3930856 B2	20100223	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20110316 YEAR OF FEE PAYMENT : 4
JP3930856 B2	20120313	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20130316 YEAR OF FEE PAYMENT : 6
JP3930856 B2	20130314	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20130316 YEAR OF FEE PAYMENT : 6
JP3930856 B2	20130319	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20140316 YEAR OF FEE PAYMENT : 7
JP3930856 B2	20140316	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
KR100897030 B1	20090514	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100897030 B1	20070927	LSES	A201	REQUEST FOR EXAMINATION	
KR100897030 B1	20080822	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR100897030 B1	20090209	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR100897030 B1	20090504	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR100897030 B1	20120412	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20120413 YEAR OF FEE PAYMENT : 4
KR100897030 B1	20130411	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20130412 YEAR OF FEE PAYMENT : 5
KR100897030 B1	20140505	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	

KR20040033330 A	20040421	LSPB	+	published / reissued	
PT1440011 T	20060831	LSGT	+	granted / extensions (spc, cpc, pte)	
US2004256385 AA	20041223	LSPB	+	published / reissued	
US2008203089 AA	20080828	LSPB	+	published / reissued	
US2008203089 AA	20080228	LSAS	AS	ASSIGNMENT	OWNER NAME : SCHOELLER ARCA SYSTEMS AB, SWEDEN DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HARTWALL, PETER; REEL/FRAME:020578/0476 EFFECTIVE DATE : 20080202
US2008203089 AA	20080228	LSAS	AS	ASSIGNMENT	OWNER NAME : SCHOELLER ARCA SYSTEMS AB,SWEDEN DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HARTWALL, PETER; REEL/FRAME:020578/0476 EFFECTIVE DATE : 20080202
US2008203089 AA	20080228	LSAS	AS	ASSIGNMENT	OWNER NAME : SCHOELLER ARCA SYSTEMS AB,SWEDEN DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HARTWALL, PETER; US-ASSIGNMENT DATABASE UPDATED:20100329; REEL/FRAME:20578/476 EFFECTIVE DATE : 20080202
US7347328 BB	20080325	LSGT	+	granted / extensions (spc, cpc, pte)	
US7347328 BB	20040506	LSAS	AS	ASSIGNMENT	OWNER NAME : ARCA SYSTEMS AG, SWEDEN DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HARTWALL, PETER; REEL/FRAME:015879/0784 EFFECTIVE DATE : 20040505
US7347328 BB	20040811	LSAS	AS	ASSIGNMENT	OWNER NAME : ARCA SYSTEMS AB, SWEDEN DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HARTWALL, PETER; REEL/FRAME:015737/0739 EFFECTIVE DATE : 20040505
US7347328 BB	20081210	LSAS	AS	ASSIGNMENT	OWNER NAME : SCHOELLER ARCA SYSTEMS AB, SWEDEN DESCRIPTION : CHANGE OF NAME; ASSIGNOR:ARCA SYSTEMS AB; REEL/FRAME:021952/0192 EFFECTIVE DATE : 20060630
US7347328 BB	20110826	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7347328 BB	20150909	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US8109402 BB	20120207	LSGT	+	granted / extensions (spc, cpc, pte)	
US8109402 BB	20080228	LSAS	AS	ASSIGNMENT	OWNER NAME : SCHOELLER ARCA SYSTEMS AB, SWEDEN DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HARTWALL, PETER; REEL/FRAME:020578/0476 EFFECTIVE DATE : 20080202
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US8109402 BB	20150730	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
WO03029090 A1	20030410	LSPB	+	published / reissued	
WO03029090 A1	20040405	LSNP	+WWE	WIPO INFORMATION:	REF DOCUMENT NUMBER :

				ENTRY INTO NATIONAL PHASE	2002800295 COUNTRY OF REF DOCUMENT : EP
WO03029090 A1	20040405	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003532367 COUNTRY OF REF DOCUMENT : JP
WO03029090 A1	20040518	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 20028228685 COUNTRY OF REF DOCUMENT : CN
WO03029090 A1	20040728	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002800295 COUNTRY OF REF DOCUMENT : EP
WO03029090 A1	20040811	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10491624 COUNTRY OF REF DOCUMENT : US
WO03029090 A1	20060621	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002800295 COUNTRY OF REF DOCUMENT : EP

Title: METHOD AND SYSTEM FOR MONITORING **CONTAINERS** TO MAINTAIN THE SECURITY THEREOF

Abstract: Source: US2004100379A A **container** and contents monitoring system includes a device, a reader, a server, and a software backbone. The device communicates with the reader in order to determine the security and/or location of the **container** to which the device is attached. The reader transmits the information from the device to the server. The device determines if a security condition has occurred based on at least one sensor located on or in the **container**.

Classifications:

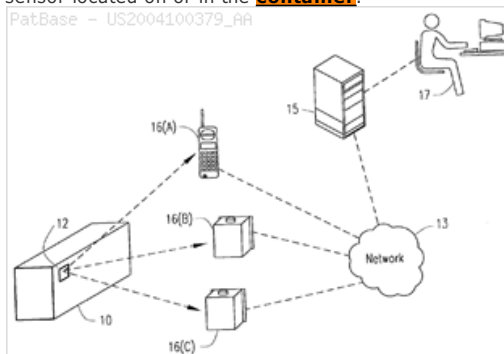
International (IPC 8-9): B60R25/04 B65D90/00 B65G63/00 G01N35/00 G01S19/35 G06F1/24 G06F11/30 G06F9/00 G06Q10/00 G06Q10/06 G06Q10/08 G07C9/00 G08B13/00 G08B13/08 G08B13/22 G08B21/00 G08B21/02 G08B21/18 G08B25/04 G08B25/10 G08C17/00 G08C25/00 G08G1/0968 G08G1/123 H04L9/00 (Advanced/Invention); G01S19/35 G01S5/02 G01S5/14 G08B13/00 G08B13/08 G08B13/22 G08B25/10 G08C25/00 (Advanced/Non-invention); G01S19/00 G06Q10/00 G07C9/00 G08B21/00 (Core/Invention); G01S19/00 G01S5/02 G01S5/14 (Core/Non-invention)

International (IPC 1-7): B60R25/04 B65G63/00 G01S5/00 G06F11/30 G06F17/60 G08B1/08 G08B13/00 G08B13/08 G08B21/00 G08B25/10 G08C17/00 G08C25/00 G08G1/0968 G08G1/123 H04L9/00 H04Q7/00

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European: B65D90/00 B65D90/00F G06F17/60C5 G06F17/60C8D G06Q10/047 G06Q10/06 G06Q10/08 G06Q10/087 G07C9/00 G08B13/08 G08B21/02 G08B21/02A25 G08B21/02A26 G08B21/18 H04Q9/00 L65D101/00 L65D203/10 L65D590/00K S01S19/14 S01S19/16 S01S19/35 S01S5/02 S07C9/00E20D S07C9/00E22

US: 340/431 340/438 340/521 340/521S 340/539.13 340/539.130P 340/539.26 340/539.260P 340/541 340/541S 340/545.1 340/545.6 340/545.600P 340/686.1 70/257 70/257P 705/28 705/28P 713/100 713/100P



Family:

Publication number	Publication date	Application number	Application date
AU2003261060 AA	20040408	AU20030261060	20030917
CN100573609 C	20091223	CN200580009579	20050323
CN101813703 A	20100825	CN201010128012	20040517
CN102054303 A	20110511	CN201010564656	20030917
CN1701348 A	20051123	CN20038025176	20030917
CN1823493 A	20060823	CN200480020206	20040517
CN1934595 A	20070321	CN200580009579	20050323
EP1540620 A1	20050615	EP20030797780	20030917
EP1623526 A2	20060208	EP20040752419	20040517
EP1623526 A4	20100721	EP20040752419	20040517
EP1730709 A1	20061213	EP20050728093	20050323
JP2007531107 T2	20071101	JP20070504922T	20050323
KR101012977 B1	20110210	KR20057004596	20030917
KR101118016 B1	20120224	KR20067019835	20050323
KR20050067392 A	20050701	KR20057004596	20030917
KR20070011334 A	20070124	KR20067019835	20050323
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TW200500967 A	20050101	TW20040104765	20040225
TW200604971 A	20060201	TW20050108967	20050323
TWI374406 B	20121011	TW20050108967	20050323
US2004100379 AA	20040527	US20030667282	20030917
US2004215532 AA	20041028	US20040786633	20040225
US2005046567 AA	20050303	US20040847185	20040517
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US2007005953 AA	20070104	US20050198738	20050805
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WO04104768 A3	20051110	WO2004US15403	20040517
WO05091237 A1	20050929	WO2005SE00442	20050323

Priority:

US20020411042P	20020917	US20030449406P	20030225	US20040786633	20040225
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US20050198738	20050805	WO2003SE01463	20030917	US20050087794	20050323
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Probable Assignee: COMMERCEGUARD AB

Assignee(s): (std): ALL SET MARINE SECURITY AB ; ALLSET MARINE SECURITY AB ; ALLSET TRACKING AB ; BOMAN HANS ; EKSTROM STIG ; CEDERLOF MAGNUS ; MORTENSON G R ; BOHMAN KARL ; COMMERCEGUARD AB ; SANDBERG ERIC

Assignee(s): GE COMMERCEGUARD AB ; GRUNDSTENEN AB ; MORTENSON G ; ASMS HOLDING AB ; ALL SET TRACKING AB ; AB GRUNDSTENEN 103121

Inventor(s): (std): BOMAN HANS ; CEDERLOF MAGNUS ; EKSTROM STIG ; EKSTROM STIG ; ERIC SANDBERG ; HANS

BOMAN ; SANDBERG ERIC ; STIG EKSTROM ; STIG BOMAN HANS SANDBERG ERIC ; MORTENSON G R ; BOHMAN KARL ; KAR BOHMAN ; CEDERLOEF MAGNUS

Inventor(s): BOHMAN KAR ; MORTENSON G ; BOMAN HANS SANDBERG ERIC EKSTROEM STIG

Agent(s): JENKENS AND GILCHRIST PC; ROSS T ROBINSON JENKENS AND GILCHRIST A PROFESSIONAL CORP; GENERAL ELECTRIC CO GLOBAL PATENT OPERATION; GE GLOBAL PATENT OPERATION; THOMAS JONATHAN E; JONATHAN E; GLOBAL PATENT OPERATION

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2003261060 AA	20040408	LSPB	+	published / reissued	
AU2003261060 AA	20050602	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
CN100573609 C	20091223	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101813703 A	20100825	LSPB	+	published / reissued	
CN101813703 A	20100825	LSPB	+C06	PUBLICATION	
CN101813703 A	20130828	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
CN102054303 A	20110511	LSPB	+	published / reissued	
CN102054303 A	20110511	LSPB	+C06	PUBLICATION	
CN102054303 A	20130710	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CN1701348 A	20051123	LSPB	+	published / reissued	
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CN1823493 A	20110914	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
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CN1934595 A	20070321	LSPB	+C06	PUBLICATION	
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CN1934595 A	20140514	LSLE	-C17	CESSATION OF PATENT RIGHT	
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EP1540620 A1	20050615	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20050407
EP1540620 A1	20110413	LSSES	+17Q	FIRST	EFFECTIVE DATE : 20110311

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EP1623526 A2	20100721	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : H04L 9/00 20060101ALI20100617BHEP
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EP1730709 A1	20070321	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20070215
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JP2007531107 T2	20100407	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20100406
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KR101012977 B1	20100514	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
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KR101012977 B1	20110127	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
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KR101118016 B1	20120224	LSGT	+	granted / extensions (spc,	

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KR101118016 B1	20110511	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
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KR101118016 B1	20150214	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
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KR20070011334 A	20070124	LSPB	+	published / reissued	
TW200417848 A	20040916	LSPB	+	published / reissued	
TW200500967 A	20050101	LSPB	+	published / reissued	
TW200604971 A	20060201	LSPB	+	published / reissued	
TWI374406 B	20121011	LSGT	+	granted / extensions (spc, cpc, pte)	
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US2004100379 AA	20040902	LSAS	AS	ASSIGNMENT	OWNER NAME : ALL SET MARINE SECURITY AB, SWEDEN DESCRIPTION : CHANGE OF NAME; ASSIGNOR:ALL SET TRACKING AB; REEL/FRAME:015141/0950 EFFECTIVE DATE : 20040227
US2004100379 AA	20040915	LSAS	AS	ASSIGNMENT	OWNER NAME : ALL SET MARINE SECURITY AB, SWEDEN DESCRIPTION : CHANGE OF NAME; ASSIGNOR:ALL SET TRACKING AB; REEL/FRAME:015141/0914 EFFECTIVE DATE : 20040227
US2004100379 AA	20050222	LSAS	AS	ASSIGNMENT	OWNER NAME : AB GRUNDSTENEN 103121, SWEDEN DESCRIPTION : NUNC PRO TUNC ASSIGNMENT; ASSIGNOR:ALL SET MARINE SECURITY AB; REEL/FRAME:015759/0161 EFFECTIVE DATE : 20040801
US2004100379 AA	20050323	LSAS	AS	ASSIGNMENT	OWNER NAME : ALL SET MARINE SECURITY AB, SWEDEN DESCRIPTION : CHANGE OF NAME; ASSIGNOR:AB GRUNDSTENEN 103121; REEL/FRAME:015954/0589 EFFECTIVE DATE : 20041022
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US2005046567 AA	20050303	LSPB	+	published / reissued	
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US2007005953 AA	20070104	LSPB	+	published / reissued	
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WO04104768 A3	20051115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004752419 COUNTRY OF REF DOCUMENT : EP
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WO05091237 A1	20070124	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1020067019835 COUNTRY OF REF DOCUMENT : KR

Title: FOLDABLE PLASTIC BOX, ASSEMBLABLE, HAVING 5 CAVITIES, WITH OR WITHOUT FOLDING UPPER COVERS, TO **CONTAIN** AGRICULTURAL PRODUCTS

Abstract: Source: US2006054528A Box of 5 pieces or cavities made in plastic material, that comprises a base, greater and smaller walls, with or without upper covers, with **hinged** means that allow to lower the walls on the base in order to reduce the dimensions of the box and to adopt a storing position; and with press fit means of easy manipulation that allow to lock the walls permitting the box to adopt an using position, and to unlock the walls to lower them on the base. In addition the box to the present invention comprises rigid male/female means, that can be flattened, arranged in their upper corners of the greater walls, that allow to flatten the male **protrusions** in order to give an improved security in the process of stacking of **pallets** on finished product **pallets**, avoiding with it the risks of lateral failings of columns boxes and whole **pallets**. Besides, it provides more space in shelves in the market. Also, the box comprises greater and smaller walls slightly widened towards its corners that gives to it an improved resistance to support the diverse loads and stresses which are exerted to the box when it is being used, specially the ones generated in the stacking.

Classifications:

International (IPC 8-9): B65D21/00 B65D6/16 B65D6/22

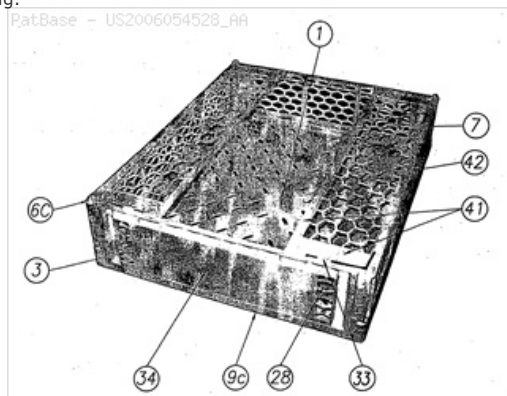
B65D6/26 (Advanced/Invention);

B65D21/00 (Core/Invention)

CPC: B65D11/1833 B65D21/0212

European: B65D11/18D B65D21/02E3

US: 206/508



Family:

Publication number	Publication date	Application number	Application date
CL2004002208 A1	20050812	CL20040002208	20040830
CL50955 B	20150611	CL20040002208	20040830
US2006054528 AA	20060316	US20050213945	20050830

Priority:

CL20040002208 20040830

Probable Assignee: MANUFACTURAS METALURGICAS RHEEM CHILENA SA

Assignee(s): (std): CARBONARI ALBERTO ; SANCHEZ EDGAR A ; SANZANA CECIL M

Assignee(s): MANUFACTURAS METALURGICAS RHEEM CHILENA SA

Inventor(s): (std): CARBONARI ALBERTO ; SANCHEZ EDGAR A ; SANZANA CECIL M

Inventor(s): SANZANA CECIL MARCEL ; SANCHEZ EDGAR ANTONIO ; SANZANA CARRASCO CECIL MARCEL ; SANCHEZ SUBIETA EDGAR ANTONIO ; SANZANA CECIL ; SANCHEZ EDGAR

Agent(s): SARGENT; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER, LLP; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CL2004002208 A1	20050812	LSPB	+	published / reissued	
CL50955 B	20150611	LSGT	+	granted / extensions (spc, cpc, pte)	
US2006054528 AA	20060316	LSPB	+	published / reissued	

Title: COLLAPSIBLE **CONTAINER**

Abstract: Source: US2007158345A A collapsible **container** having a base with top and bottom surfaces, a plurality of support members, legs attached to the base and configured to support a second collapsible **container** placed on a first collapsible **container** and a plurality of side panels, wherein at least one of the side panels is configured to lock in place in at least one position, wherein at least one of the side panels has both a foldable portion and a fixed portion and wherein the system provides for load bearing members for securing another collapsible **container** or device on top of a first collapsible **container** in either the folded or the extended configuration. Some embodiments of the collapsible **container** include an anchor member configured to anchor the collapsible **container** to a surface. Methods of stacking and methods of manufacturing the above embodiments are also disclosed.

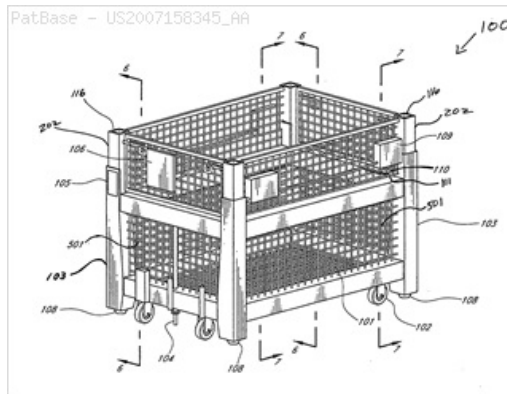
Classifications:

International (IPC 8-9): B65D6/00 B65D8/14 (Advanced/Invention); B65D6/00 B65D8/04 (Core/Invention)

CPC: B62B3/004 B62B3/025 B62B2206/06 B65D21/0215 B62B3/16 B65D7/26 B65D11/1833 B65D25/20

European: B62B3/00B B62B3/16 B65D11/18D B65D21/02E5 B65D25/20 B65D7/26

US: 220/4.28 220/4.34 220/6 220/666 220/9.3



Family:

Publication number	Publication date	Application number	Application date
US2007158345 AA	20070712	US20060329405	20060110
US7708160 BB	20100504	US20060329405	20060110

Priority:

US20060329405 20060110

Probable Assignee: US POSTAL SERVICE

Assignee(s): (std): BOMBAUGH SCOTT R ; BOOTH GARY E ; COSSIN TERRY M ; MASCALI EDWARD S ; WALKER RALPH E ; VOGEL PAUL E ; US POSTAL SERVICE

Assignee(s): UNITED STATES POSTAL SERVICE

Inventor(s): (std): WALKER RALPH E ; VOGEL PAUL E ; MASCALI EDWARD S ; COSSIN TERRY M ; BOOTH GARY E ; BOMBAUGH SCOTT R

Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP

Legal status (INPADOC)

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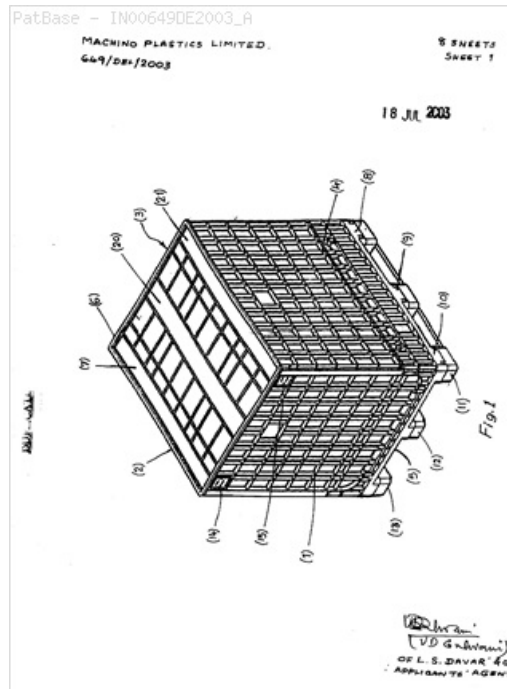
Patent	Date recorded	Event group	Code	Event	Details
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US7708160 BB	20100504	LSGT	+	granted / extensions (spc, cpc, pte)	
US7708160 BB	20101026	LSRE	CC	CERTIFICATE OF CORRECTION	
US7708160 BB	20131101	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

Title: A LIGHT WEIGHT COLLAPSIBLE PLASTIC **PALLET** BOX

Abstract: Source: IN00649DE2003A This invention provides a light weight collapsible plastic **pallet** box of injection mouldable plastic having ribbed structure. The box has two pairs of identical walls, base and a tight fitting lid. The base of the box has three rows of **protrusions**, each row having three **protrusions**, to which three feet with each foot having three projections, can be attached by inserting the projections of feet into the **protrusions** of base and locking with the help of locking holes provided in the **protrusions**. This make the base of the box leak-proof thereby making the box suitable for transportation of any solid material including powder. The lid of the box has three nestings on which three feet of the similar box, stacked over it, would reside in a stable condition. The walls are **hinged** to the base by means of **hinges** and are interlocked to each other by means of locking mechanisms.

Classifications:

International (IPC 1-7): B65D19/00



Family:

Publication number	Publication date	Application number	Application date
IN00649DE2003 A	20070803	IN2003DE00649	20030430

Probable Assignee: MACHINO PLASTICS LTD

Assignee(s): MACHINO PLASTICS LTD

Inventor(s): DINESH CHANDRA DAS ; JAGJEET SINGH PANESAR ; SANTOSH KUMAR SAHU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
IN00649DE2003 A	20070803	LSPB	+	published / reissued	

Title: LIGHT WEIGHT, STRONG, FIRE RETARDANT DUNNAGE PLATFORM BAG AND SYSTEM OF LOADING, DISPENSING AND USING BAG

Abstract: Source: US2007191984A The present invention provides a dunnage platform bag that is light weight, strong, made of a fire retardant material and which forms an ultra violet light, weather and dust particle barrier to protect the integrity of the dunnage platforms when not in use. A system and method for supplying, dispensing, positioning, tracking, transporting, forwarding and storing dunnage platforms based on the dunnage platforms bag is disclosed. In an embodiment of the invention, a modified dunnage platform made up of a dunnage platform base and attached legs can be stored in the dunnage platform bag.

Classifications:

International (IPC 8-9): B23P11/00 B28B5/00 B29C73/00 B32B27/00 B65D19/00 B65D19/06 B65D19/18 B65D19/32 B65D19/38 B65D19/42 B65D19/44 B65D30/04 B65D30/10 B65D30/28 B65D6/00 B65D65/02 B65D65/04 B65D77/00 B65D81/02 B65D88/16 B65D88/52 B65G1/137 B65G65/00 B66F9/00 G06F7/00 G06Q10/00 G06Q10/08 G08B1/08 G08B13/14 (Advanced/Invention); A45C13/04 A45C5/14 A45C7/00 B65D19/00 B65D19/06 B65D25/00 B65D6/00 B65D65/02 B65D8/14 B65D83/00 B65D85/00 B65G59/00 B65H3/00 G06Q30/00 G07F11/16 G08B13/14 (Advanced/Non-invention); B23P11/00 B28B5/00 B29C73/00 B32B27/00 B65D19/00 B65D19/02 B65D19/22 B65D19/38 B65D30/02 B65D30/10 B65D6/00 B65D65/02 B65D77/00 B65D88/00 B65G65/00 B66F9/00 G06F7/00 G06Q10/00 G08B1/00 G08B13/14 (Core/Invention); A45C13/00 A45C5/00 A45C7/00 B65D25/00 B65D6/00 B65D65/02 B65D8/04 B65D83/00 B65D85/00 B65G59/00 B65H3/00 G06Q30/00 G07F11/16 G08B13/14 (Core/Non-invention)

International (IPC 1-7): B65D6/00 G06F7/00

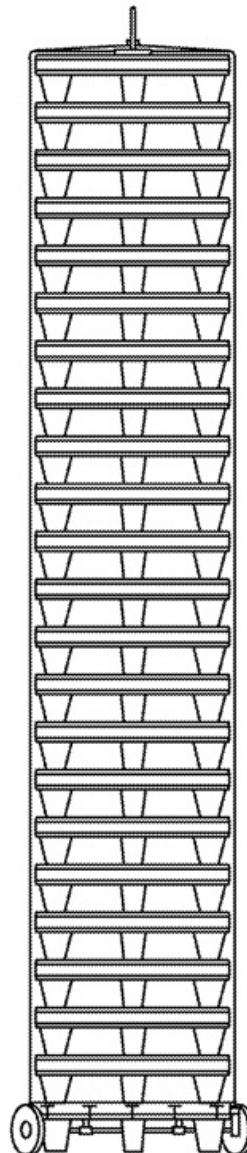
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European: B65D19/18 B65D19/38 B65D65/10 G06Q10/087 L65D203/10 L65D519/00Y1B2 L65D519/00Y1B4 L65D519/00Y1B6 L65D519/00Y1C2 L65D519/00Y1C4 L65D519/00Y1C6 L65D519/00Y1F2 L65D519/00Y1F6 L65D519/00Y1G2 L65D519/00Y1G6 L65D519/00Y2A1 L65D519/00Y2A2 L65D519/00Y2B1 L65D519/00Y2C1 L65D519/00Y2C2 L65D519/00Y2C4A L65D519/00Y2C4B L65D519/00Y2E14B L65D519/00Y2E14C L65D519/00Y2E14D L65D519/00Y2E14F L65D519/00Y2E14G L65D519/00Y2F1 L65D519/00Y3A1B L65D519/00Y3B1A2B L65D519/00Y3B1A2C L65D519/00Y3B1D L65D519/00Y3C1D L65D519/00Y3E1 L65D519/00Y4B L65D519/00Y4B2 L65D519/00Y4G L65D519/00Y4K2 L65D571/00P3 L65D81/38B1

US: 108/25 108/25P 108/51.11 108/51.110S 150/154 156/242 156/242S 190/18.00A 190/18A 206/521 206/600 220/1.5 220/4.05 220/4.08 220/4.080P 220/4.28 220/592.01 220/9.2 220/9.4 221/22 221/306 221/64 264/241 264/241S 264/36.1 264/36.100S 29/428 29/428S 340/539.13 340/539.130S 340/572.1 340/572.100S 340/572.8 414/800 414/800P 540/572 62/371 62/457.1 700/215 700/215P 705/1 705/28 705/28P 705/333

PatBase - US2007191984_AA

480



Family:

Publication number	Publication date	Application number	Application date
AT503221 E	20110415	AT20070757079T	20070215
AU2007213471 AA	20070816	AU20070213471	20070209
AU2007214412 AA	20070823	AU20070214412	20070215
AU2007214412 BB	20110609	AU20070214412	20070215
CA2642477 AA	20080814	CA20072642477	20070215
CN101421165 A	20090429	CN200780012849	20070209
CN101438306 A	20090520	CN200780013519	20070215
CN101438306 B	20130508	CN200780013519	20070215
CN103072779 A	20130501	CN201210472191	20070215
DE602007013376 D1	20110505	DE200760013376T	20070215
EP1989120 A2	20081112	EP20070763073	20070209
EP1989120 A4	20091125	EP20070763073	20070209
EP2005287 A2	20081224	EP20070757079	20070215
EP2005287 A4	20091125	EP20070757079	20070215
EP2005287 B1	20110323	EP20070757079	20070215
IN04755CN2008 A	20090313	IN2008CN04755	20080909
IN04872CN2008 A	20090313	IN2008CN04872	20080915
JP2009526719 T2	20090723	JP20080555500T	20070215

KR101328377 B1	20131111	KR20087022099	20070209
KR20080109752 A	20081217	KR20087022099	20070209
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US2007191984 AA	20070816	US20070675049	20070214
US2007194019 AA	20070823	US20070672863	20070208
US2010086390 AA	20100408	US20090569655	20090929
US2010145832 AA	20100610	US20090616625	20091111
US2011126740 AA	20110602	US20110024709	20110210
US2011226655 AA	20110922	US20110118512	20110530
US2013211974 AA	20130815	US20120571189	20120809
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US7963397 BB	20110621	US20070672863	20070208
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US8672137 BB	20140318	US20110118512	20110530
US8781921 BB	20140715	US20120571189	20120809
WO07092959 A2	20070816	WO2007US61937	20070209
WO07092959 A3	20080221	WO2007US61937	20070209
WO07095629 A2	20070823	WO2007US62266	20070215
WO07095629 A3	20081224	WO2007US62266	20070215

Priority:

US20060771746P 20060209	US20060773454P 20060215	US20070672863 20070208
US20060817989P 20060630	US20070675049 20070214	US20060817868P 20060630
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US20110024709 20110210	US20120571189 20120809	

Probable Assignee: AIRDEX CORP

Assignee(s): (std): AIRDEX INT INC ; AIRDEX INTERNAT INC ; SEAGLE VANCE L ; TSCHIRN PHILIP J ; AIRDEX INTERNATIONAL INC ; IMBRECHT RICK D ; THOMPSON DAVID G ; AIRDEX INTERNATIOPNAL INC ; TSCHIRN PHILLIP J

Assignee(s): AIRDEX CORP ; AIRDEX INT

Inventor(s): (std): IMBRECHT RICK D ; SEAGLE VANCE L ; THOMPSON DAVID G ; TSCHIRN PHILIP J ; TSCHIRN PHILLIP J ; TSCHIRN PHILIP ; SEAGLE VANCE

Inventor(s): VANCE L SEAGLE ; THOMPSON DAVID ; PHILIP J TSCHIRN ; RICK D IMBRECHT ; DAVID G THOMPSON ; IMBRECHT RICK

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BEAGAR; GOWLING LAFLEUR HENDERSON LLP; COATES IAN HAROLD ET AL; MEYER ANDREAS HANS; FLIESLER MEYER LLP; SCI LAW STRATEGIES PC; SCI-LAW STRATEGIES PC; QUAN AND ASSOCIATES; NANCY N

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR 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 MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT503221 E	20110415	LSGT	+	granted / extensions (spc, cpc, pte)	
AT503221 E	20110915	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AU2007213471 AA	20070816	LSPB	+	published / reissued	
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AU2007214412 AA	20070823	LSPB	+	published / reissued	
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AU2007214412 AA	20111006	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2007214412 AA	20140911	LSLE	-MK14	PATENT CEASED	

					SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2007214412 BB	20110609	LSGT	+	granted / extensions (spc, cpc, pte)		
CA2642477 AA	20080814	LSPB	+	published / reissued		
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CA2642477 AA	20150414	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20150217	
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CN101421165 A	20090429	LSPB	+C06	PUBLICATION		
CN101421165 A	20110119	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)		
CN101438306 A	20090520	LSPB	+	published / reissued		
CN101438306 A	20090520	LSPB	+C06	PUBLICATION		
CN101438306 A	20130508	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL		
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CN101438306 B	20130508	LSGT	+	granted / extensions (spc, cpc, pte)		
CN103072779 A	20130501	LSPB	+	published / reissued		
CN103072779 A	20130501	LSPB	+C06	PUBLICATION		
CN103072779 A	20150722	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)		
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EP2005287 A2	20081224	LSPB	+	published / reissued		
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EP2005287 A2	20091230	LSAS	RAP1	TRANSFER OF RIGHTS OF AN EP PUBLISHED APPLICATION	OWNER NAME : AIRDEX INTERNATIONAL, INC.
EP2005287 A2	20100310	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20100205
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EP2005287 A2	20110331	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2005287 A2	20110413	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2005287 A2	20110505	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602007013376 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20110505
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EP2005287 A2	20110825	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	EFFECTIVE DATE : 20110323
EP2005287 A2	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20110323
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				INFORM. FROM NAT. OFFICE TO EPO	PREScribed TIME-LIMIT EFFECTIVE DATE : 20110323
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EP2005287 A2	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110725
EP2005287 A2	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : ES DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110704
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : EE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CZ DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IS DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110723
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110822
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : RO DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT	REF COUNTRY CODE : PL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

EP2005287 A2	20111230	LSLE	-PG25	INFORM. FROM NAT. OFFICE TO EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	PREScribed TIME-LIMIT EFFECTIVE DATE : 20110822 REF COUNTRY CODE : NL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20120229	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20111227
EP2005287 A2	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20120419	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602007013376 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20111227
EP2005287 A2	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20120531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20120228 YEAR OF FEE PAYMENT : 06
EP2005287 A2	20120629	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20120224 YEAR OF FEE PAYMENT : 06
EP2005287 A2	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MC DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120229
EP2005287 A2	20120928	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2005287 A2	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LI DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120229
EP2005287 A2	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CH DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120229
EP2005287 A2	20121121	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2005287 A2	20121123	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20121031
EP2005287 A2	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM	REF COUNTRY CODE : FR DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120229

				NAT. OFFICE TO EPO	
EP2005287 A2	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120215
EP2005287 A2	20130430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20130227 YEAR OF FEE PAYMENT : 07
EP2005287 A2	20130430	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20130227 YEAR OF FEE PAYMENT : 07
EP2005287 A2	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : TR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20110323
EP2005287 A2	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LU DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120215
EP2005287 A2	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : HU DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20070215
EP2005287 A2	20141029	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20140215
EP2005287 A2	20141031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20140729 YEAR OF FEE PAYMENT : 08
EP2005287 A2	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GB DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20140215
EP2005287 A2	20150901	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602007013376 COUNTRY OF REF DOCUMENT : DE
EP2005287 A2	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20150901
EP2005287 B1	20110323	LSGT	+	granted / extensions (spc, cpc, pte)	
IN04755CN2008 A	20090313	LSPB	+	published / reissued	
IN04872CN2008 A	20090313	LSPB	+	published / reissued	
JP2009526719 T2	20090723	LSPB	+	published / reissued	
KR101328377 B1	20131111	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101328377 B1	20120209	LSSES	A201	REQUEST FOR EXAMINATION	

KR101328377 B1	20130806	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101328377 B1	20131104	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR20080109752 A	20081217	LSPB	+	published / reissued	
KR20080109761 A	20081217	LSPB	+	published / reissued	
KR20080109761 A	20120215	LSES	A201	REQUEST FOR EXAMINATION	
KR20080109761 A	20140311	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20080109761 A	20140619	LSRV	-E601	DECISION TO REFUSE APPLICATION	
US2007191984 AA	20070816	LSPB	+	published / reissued	
US2007191984 AA	20090109	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILIP T.; REEL/FRAME:022085/0447; SIGNING DATES FROM 20090106 TO 20090107
US2007194019 AA	20070823	LSPB	+	published / reissued	
US2010086390 AA	20100408	LSPB	+	published / reissued	
US2010145832 AA	20100610	LSPB	+	published / reissued	
US2011126740 AA	20110602	LSPB	+	published / reissued	
US2011226655 AA	20110922	LSPB	+	published / reissued	
US2011226655 AA	20111109	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILLIP J.; IMBRECHT, RICK D.; AND OTHERS; SIGNING DATES FROM 20070402 TO 20111109; REEL/FRAME:027200/0531
US2013211974 AA	20130815	LSPB	+	published / reissued	
US7689481 BB	20100330	LSGT	+	granted / extensions (spc, cpc, pte)	
US7689481 BB	20090109	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILIP T.; REEL/FRAME:022085/0447; SIGNING DATES FROM 20090106 TO 20090107
US7689481 BB	20090109	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILIP T.; SIGNED BETWEEN 20090106 AND 20090107; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:22085/447
US7689481 BB	20090109	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILIP T.; SIGNING DATES FROM 20090106 TO 20090107; REEL/FRAME:022085/0447

US7689481 BB	20110104	LSRE	CC	CERTIFICATE OF CORRECTION	
US7689481 BB	20130814	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILIP J.; SIGNING DATES FROM 20090106 TO 20090107; REEL/FRAME:031011/0117
US7689481 BB	20130830	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7689481 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX CORPORATION, NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AIRDEX INTERNATIONAL, INC.; REEL/FRAME:037736/0708 EFFECTIVE DATE : 20160212
US7963397 BB	20110621	LSGT	+	granted / extensions (spc, cpc, pte)	
US7963397 BB	20111109	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L.; TSCHIRN, PHILLIP J.; IMBRECHT, RICK D.; AND OTHERS; SIGNING DATES FROM 20070402 TO 20111109; REEL/FRAME:027200/0531
US7963397 BB	20141128	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7963397 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX CORPORATION, NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AIRDEX INTERNATIONAL, INC.; REEL/FRAME:037736/0708 EFFECTIVE DATE : 20160212
US8224719 BB	20120717	LSGT	+	granted / extensions (spc, cpc, pte)	
US8224719 BB	20160717	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US8224719 BB	20160906	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20160717
US8224721 BB	20120717	LSGT	+	granted / extensions (spc, cpc, pte)	
US8224721 BB	20150820	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8224721 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX CORPORATION, NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AIRDEX INTERNATIONAL, INC.; REEL/FRAME:037736/0708 EFFECTIVE DATE : 20160212
US8224721 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L; TSCHIRN, PHILIP J; SIGNING DATES FROM 20090106 TO 20090107; REEL/FRAME:037736/0723
US8244602 BB	20120814	LSGT	+	granted / extensions (spc, cpc, pte)	
US8244602 BB	20150820	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8244602 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX CORPORATION, NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AIRDEX INTERNATIONAL, INC.; REEL/FRAME:037736/0708 EFFECTIVE DATE : 20160212

US8244602 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L; TSCHIRN, PHILIP J; SIGNING DATES FROM 20090106 TO 20090107; REEL/FRAME:037736/0723
US8672137 BB	20140318	LSGT	+	granted / extensions (spc, cpc, pte)	
US8672137 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX CORPORATION, NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AIRDEX INTERNATIONAL, INC.; REEL/FRAME:037736/0708 EFFECTIVE DATE : 20160212
US8781921 BB	20140715	LSGT	+	granted / extensions (spc, cpc, pte)	
US8781921 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX CORPORATION, NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AIRDEX INTERNATIONAL, INC.; REEL/FRAME:037736/0708 EFFECTIVE DATE : 20160212
US8781921 BB	20160215	LSAS	AS	ASSIGNMENT	OWNER NAME : AIRDEX INTERNATIONAL, INC., NEVADA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SEAGLE, VANCE L; TSCHIRN, PHILIP J; SIGNING DATES FROM 20090106 TO 20090107; REEL/FRAME:037736/0723
WO07092959 A2	20070816	LSPB	+	published / reissued	
WO07092959 A3	20080812	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07092959 A3	20080909	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007213471 COUNTRY OF REF DOCUMENT : AU
WO07092959 A3	20081002	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2007213471 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20070209 KIND CODE OF REF DOCUMENT : A
WO07092959 A3	20081009	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200780012849.9 COUNTRY OF REF DOCUMENT : CN
WO07095629 A2	20070823	LSPB	+	published / reissued	
WO07095629 A3	20080814	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2642477 COUNTRY OF REF DOCUMENT : CA
WO07095629 A3	20080815	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008555500 COUNTRY OF REF DOCUMENT : JP
WO07095629 A3	20080816	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07095629 A3	20080909	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007214412 COUNTRY OF REF DOCUMENT : AU
WO07095629 A3	20081002	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2007214412 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20070215 KIND CODE OF REF DOCUMENT : A

WO07095629 A3	20081015	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200780013519.1 COUNTRY OF REF DOCUMENT : CN
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Title: DEVICE FOR HANDLING BOBBINS OF PACKAGING MATERIAL

Abstract: Source: US2010154355A For supplying machines, namely packaging machines, with web-like packaging material which is present in the form of a reel, a reel store (15) is fitted out with a portal (16), in which the reels (10... 13) are kept on **pallets** (14). A portal robot (20) with an articulated arm (27) transfers reels (10... 13) as required to winding subassemblies (29... 32) arranged outside the portal (16). From these winding subassemblies, the material webs are transported toward opposite sides, in the direction parallel to the longitudinal extent of the portal (16), to the consuming machines.

Classifications:

International (IPC 8-9): B65B35/16 B65B41/00 B65B41/12

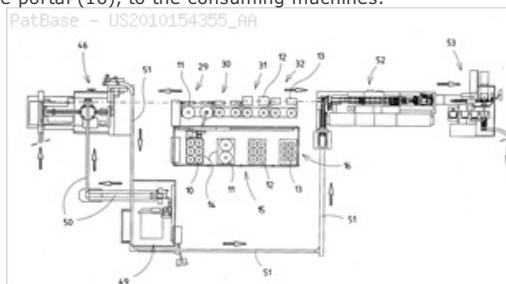
B65H16/04 B65H19/12 B65H67/02 (Advanced/Invention);

B65B41/00 B65H19/12 B65H67/00 (Core/Invention)

CPC: B65H19/123 B65H2301/4173 B65H2801/54

European: B65H19/12C L65H301/4173 L65H801/54

US: 242/559 242/559.1 242/559S 242/573.9 53/389.1 53/389.100P 53/389.2



Family:

Publication number	Publication date	Application number	Application date
BRPI0709975 A2	20110802	BR2007PI09975	20070214
CN101421175 A	20090429	CN200780013004	20070214
CN101421175 B	20130515	CN200780013004	20070214
DE102006017379 A1	20071018	DE200610017379	20060411
DE502007012629 D1	20140213	DE200750012629T	20070214
EP2004530 A1	20081224	EP20070703450	20070214
EP2004530 B1	20131225	EP20070703450	20070214
JP2009533297 T2	20090917	JP20090504580T	20070214
JP5091946 B2	20121205	JP20090504580T	20070214
US2010154355 AA	20100624	US20070295971	20070214
US7984603 BB	20110726	US20070295971	20070214
WO07118537 A1	20071025	WO2007EP01261	20070214

Priority:

DE200610017379 20060411 EP20070703450 20070214 WO2007EP01261 20070214

Probable Assignee: FOCKE AND CO GMBH AND CO KG

Assignee(s): (std): FOCKE AND CO GMBH AND CO KG ; SACHS FRANK ; PRAHM ANDREAS ; SCHLENKER MICHAEL ; FREUDENBERG HARALD ; FOCKE AND CO

Assignee(s): FOCKE AND CO (GMBH AND CO KG) ; FOCKE AND CO GMBH AND CO

Inventor(s): (std): ANDREAS PRAHM ; FRANK SACHS ; FREUDENBERG HARALD ; HARALD FREUDENBERG ; MICHAEL SCHLENKER ; PRAHM ANDREAS ; SACHS FRANK ; SCHLENKER MICHAEL

Agent(s): MEISSNER BOLTE AND PARTNER GBR; BOLTE ERICH ET AL; BOLTE ERICH; SMITH GAMBRELL AND RUSSELL; SMITH RISLEY TEMPEL SANTOS LLC; LAURENCE P

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

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
BRPI0709975 A2	20110802	LSPB	+	published / reissued	
CN101421175 A	20090429	LSPB	+	published / reissued	
CN101421175 A	20090429	LSPB	+C06	PUBLICATION	
CN101421175 A	20130515	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101421175 B	20130515	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102006017379 A1	20071018	LSPB	+	published / reissued	
DE102006017379 A1	20071018	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102006017379 A1	20130926	LSDW	-R005	APPLICATION DEEMED WITHDRAWN DUE TO FAILURE	EFFECTIVE DATE : 20130412

				TO REQUEST EXAMINATION	
EP2004530 A1	20081224	LSPB	+	published / reissued	
EP2004530 A1	20081224	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20080926
EP2004530 A1	20090325	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : FREUDENBERG, HARALD
EP2004530 A1	20090325	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : PRAHM, ANDREAS
EP2004530 A1	20090325	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : SACHS, FRANK
EP2004530 A1	20090325	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : SCHLENKER, MICHAEL
EP2004530 A1	20131225	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2004530 A1	20140213	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502007012629 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140213
EP2004530 A1	20140926	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502007012629 COUNTRY OF REF DOCUMENT : DE
EP2004530 A1	20141203	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140926
EP2004530 A1	20150108	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502007012629 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140926
EP2004530 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 10
EP2004530 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160210 YEAR OF FEE PAYMENT : 10
EP2004530 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170228 YEAR OF FEE PAYMENT : 11
EP2004530 B1	20131225	LSGT	+	granted / extensions (spc, cpc, pte)	
JP2009533297 T2	20090917	LSPB	+	published / reissued	
JP2009533297 T2	20091128	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20091127
JP2009533297 T2	20091128	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20091127
JP2009533297 T2	20120131	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120131
JP2009533297 T2	20120614	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120613
JP2009533297 T2	20120809	LSGT	+TRDD	DECISION OF GRANT OR	

				REJECTION WRITTEN	
JP2009533297 T2	20120904	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20120904
JP2009533297 T2	20120906	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01
JP2009533297 T2	20120920	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120914
JP2009533297 T2	20120921	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20150921 YEAR OF FEE PAYMENT : 3
JP2009533297 T2	20120921	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
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JP5091946 B2	20091128	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20091127
JP5091946 B2	20091128	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20091127
JP5091946 B2	20120131	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120131
JP5091946 B2	20120614	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120613
JP5091946 B2	20120809	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5091946 B2	20120904	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20120904
JP5091946 B2	20120906	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01
JP5091946 B2	20120920	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120914
JP5091946 B2	20120921	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20150921 YEAR OF FEE PAYMENT : 3
JP5091946 B2	20120921	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP5091946 B2	20160906	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
US2010154355 AA	20100624	LSPB	+	published / reissued	
US2010154355 AA	20081006	LSAS	AS	ASSIGNMENT	OWNER NAME : FOCKE AND CO. (GMBH AND CO. KG),GERMANY DESCRIPTION : ASSIGNMENT OF

					ASSIGNORS INTEREST; ASSIGNORS:FREUDENBERG, HARALD; PRAHM, ADREAS; SACHS, FRANK AND OTHERS; REEL/FRAME:21634/360 EFFECTIVE DATE : 20080910
US2010154355 AA	20081006	LSAS	AS	ASSIGNMENT	OWNER NAME : FOCKE AND CO. (GMBH AND CO. KG),GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FREUDENBERG, HARALD; PRAHM, ADREAS; SACHS, FRANK; AND OTHERS; REEL/FRAME:021634/0360 EFFECTIVE DATE : 20080910
US7984603 BB	20110726	LSGT	+	granted / extensions (spc, cpc, pte)	
US7984603 BB	20081006	LSAS	AS	ASSIGNMENT	OWNER NAME : FOCKE AND CO. (GMBH AND CO. KG),GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FREUDENBERG, HARALD; PRAHM, ADREAS; SACHS, FRANK; AND OTHERS; REEL/FRAME:021634/0360 EFFECTIVE DATE : 20080910
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US7984603 BB	20150107	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
WO07118537 A1	20071025	LSPB	+	published / reissued	
WO07118537 A1	20081003	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12295971 COUNTRY OF REF DOCUMENT : US
WO07118537 A1	20081010	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200780013004.1 COUNTRY OF REF DOCUMENT : CN
WO07118537 A1	20081010	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009504580 COUNTRY OF REF DOCUMENT : JP
WO07118537 A1	20081014	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07118537 A1	20110802	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0709975 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 EFFECTIVE DATE : 20081008

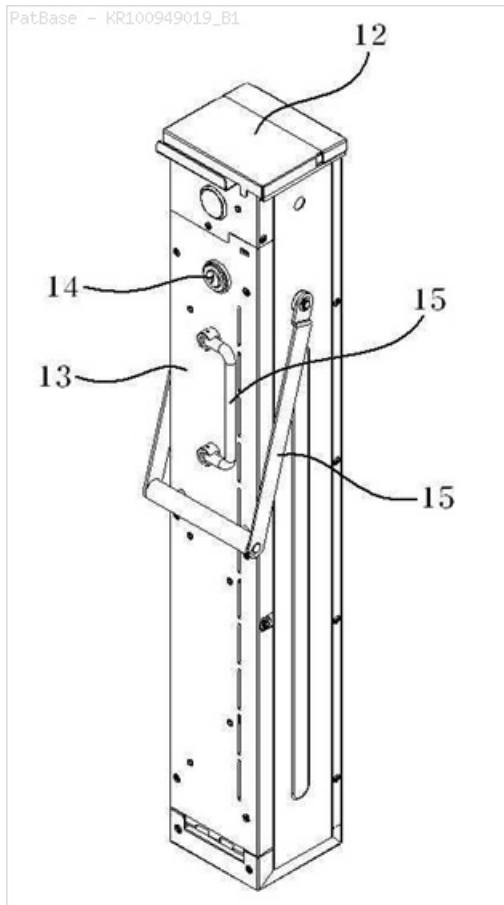
Title: TICKET BOX

Abstract: Source: KR100949019B The invention relates to the passenger ticket selling apparatus or the passenger ticket storing box which is installed at the passenger ticket recovery system and keeps the passenger ticket, more specifically, to the passenger ticket storing box which at the same time, can satisfy the airtightness and use convenience. The this, to accomplish the above objects. And the invention seeks to provide the selling apparatus or the passenger ticket storing box which is the passenger ticket storing box made in the recovery system of the configuration of opening the cover in the installation the cover of the passenger ticket storing box cannot be arbitrarily opened in case of the operator the cover is organized on the separate structure for the locking apparatus for the administrator and passenger ticket storing box operation.

Classifications:

International (IPC 8-9): G07F11/00 G07F9/00 (Advanced/Invention);
G07F11/00 G07F9/00 (Advanced/Non-invention);
G07F11/00 G07F9/00 (Core/Invention)

CPC: G07F9/006 B60J7/1855 G07B5/04 G07F11/005



Family:

Publication number	Publication date	Application number	Application date
KR100949019 B1	20100323	KR20070128435	20071211
KR20090061426 A	20090616	KR20070128435	20071211

Priority:

KR20070128435 20071211

Probable Assignee: PULOON TECHNOLOGY INC

Assignee(s): (std): PULOON TECHNOLOGY INC ; SAMSUNG SDS CO LTD

Assignee(s): SAMSUNG S D S CO ; SAMSUNG SDS CO

Inventor(s): (std): KIM DAE YOUNG ; KIM KYUNG HOON ; KIM KYUNG JONG ; KIM TAE HYOUNG ; KO KI WON ; OH JAE YONG ; OH KWANG TAEK ; PARK HYUN SOO ; YUK JIN KOOK

Agent(s): CHOI TAE CHANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR100949019 B1	20100323	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100949019 B1	20071211	LSES	A201	REQUEST FOR EXAMINATION	
KR100949019 B1	20090825	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR100949019 B1	20100222	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR100949019 B1	20100315	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR100949019 B1	20130108	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20130108 YEAR OF FEE

					PAYMENT : 4
KR100949019 B1	20140103	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20140103 YEAR OF FEE PAYMENT : 5
KR100949019 B1	20141231	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20141231 YEAR OF FEE PAYMENT : 6
KR100949019 B1	20151228	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20151228 YEAR OF FEE PAYMENT : 7
KR100949019 B1	20170102	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170102 YEAR OF FEE PAYMENT : 8
KR20090061426 A	20090616	LSPB	+	published / reissued	

Title: IMPROVEMENTS IN AND RELATING TO BOXES

Abstract: Source: US2011155797A A partly constructed set up box in a generally flat configuration, the partly constructed set up box comprising an inner blank and an outer blank, wherein the inner blank and the outer blank are secured relative to each other by a securement means.

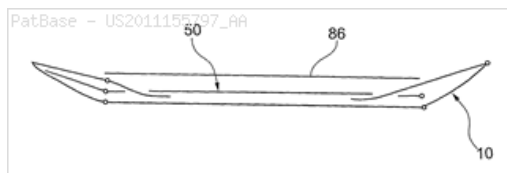
Classifications:

International (IPC 8-9): B65D3/22 B65D5/22 B65D5/24 B65D5/30 B65D5/36 B65D5/42 B65D5/44 B65D5/60 (Advanced/Invention); B65D5/56 (Advanced/Non-invention); B65D5/36 (Core/Invention)

CPC: B65D5/445 B65D5/30 B65D5/302 B65D5/566 B65D5/22 B65D5/36 B65D5/603

European: B65D5/22 B65D5/36 B65D5/60B

US: 1/1 229/122.32 229/122.320P 229/122.34 229/178 229/186 229/186S 229/195 229/197



Family:

Publication number	Publication date	Application number	Application date
DE602009027691 D1	20141224	DE200960027691T	20090304
EP2262692 A2	20101222	EP20090717010	20090304
EP2262692 B1	20141112	EP20090717010	20090304
EP2840032 A2	20150225	EP20140188420	20090304
EP2840032 A3	20150325	EP20140188420	20090304
GB200804023 A0	20080409	GB20080004023	20080204
US2011155797 AA	20110630	US20090920930	20090304
US2014097236 AA	20140410	US20130102989	20131211
US8628001 BB	20140114	US20090920930	20090304
US9045252 BB	20150602	US20130102989	20131211
WO09109783 A2	20090911	WO2009GB50220	20090304
WO09109783 A3	20091112	WO2009GB50220	20090304

Priority:

EP20090717010	20090304	GB20080004023	20080204	GB20080004023	20080304
US20100920930	20101129	US20130102989	20131211	US20090920930	20090304
WO2009GB50220	20090304				

Probable Assignee: CONCEPT PACKAGING SERVICES LTD

Assignee(s): (std): CONCEPT PACKAGING LTD ; CONCEPT PACKAGING SERVICES LTD ; HALLAM CHRIS

Assignee(s): CONCEPT PACKAGING SERVICES LIMITED ; CONCEPT PACKAGING LIMITED

Inventor(s): (std): HALLAM CHRIS

Agent(s): BRANDON PAUL LAURENCE; APPELYARD LEES; SHUMAKER LOOP AND KENDRICK LLP; SHUMAKER LOOP AND KENDRICK LP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP2262692 A2	20101222	LSPB	+	published / reissued	
EP2262692 A2	20101222	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20100928
EP2262692 A2	20120516	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20120416
EP2262692 A2	20140702	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20140606
EP2262692 A2	20141112	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2262692 A2	20141114	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2262692 A2	20141115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 695567 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20141115

EP2262692 A2	20141203	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2262692 A2	20141224	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602009027691 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20141224
EP2262692 A2	20150318	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20141112
EP2262692 A2	20150415	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 695567 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20141112
EP2262692 A2	20150423	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
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EP2262692 A2	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE

				EPO	FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150312
EP2262692 A2	20150529	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 : 20141112
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				INFORM. FROM NAT. OFFICE TO EPO	A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141112
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EP2262692 A2	20150813	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602009027691 COUNTRY OF REF DOCUMENT : DE
EP2262692 A2	20151021	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20150813
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EP2840032 A2	20160518	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20160414
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US2014097236 AA	20140410	LSPB	+	published / reissued	
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Title: BOX HAVING FOLDABLE SIDEWALLS WITH A STABLE SIDEWALL STRUCTURE

Abstract: Source: US2012118883A A foldable box having four foldable exterior walls has at least one stable exterior wall having at least a first and a second spherical wall area convex with respect to an exterior side of the box. A bridge arranged at the outside of the exterior wall is arranged between the first and the second spherical surface and extends across the height of the exterior wall. At least one rib additionally extends from the bridge to the first and to the second spherical surface area.

Classifications:

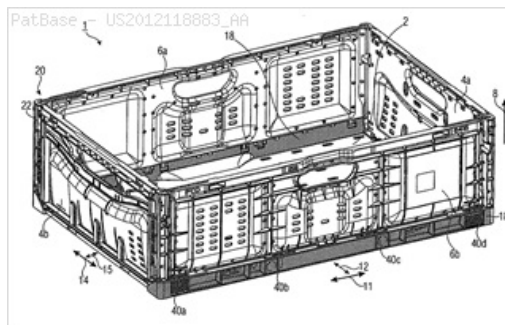
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International (IPC 1-7): B65D6/18

CPC: B65D11/1866 B65D11/20 B65D11/22 B65D11/184 B65D11/1833

European: B65D11/18D B65D11/18H B65D11/20 B65D11/22

US: 206/600 217/12R 217/15 217/47 220/4.28 220/4.33 220/4.330P 220/6 220/600 220/615 220/666 220/669 220/676 220/677 220/682 220/690 220/691 220/6P 220/6S 220/7 220/7P



Family:

Publication number	Publication date	Application number	Application date
AR076299 AA	20110601	AR2010P101249	20100414
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US2012118884 AA	20120517	US20110273636	20111014
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US2012181271 AA	20120719	US20110273535	20111014
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Priority:

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Probable Assignee: IFCO SYSTEMS GMBH

Assignee(s): (std): IFTSO SISTEMS GMBKH ; ORGELDINGER WOLFGANG ; WOLFGANG ORGELDINGER ; SABA AND CO ; DEKKERS HENDRIK ; IFCO SYSTEMS GMBH

Assignee(s): IFCO SYSTEMS GMBHZUGSPITZSTR 782049PULLACHDE

Inventor(s): (std): DEKKERS KHENDRIK ; HENDRIK DEKKERS ; ORGELDINGER VOLFGAN ; ORGELDINGER WOLFANG ; ORGELDINGER WOLFGANG ; DEKKERS HENDRIK ; WOLFGANG ORGELDINGER

Inventor(s): DEKKERS HENDRIKNL ; ORGELDINGER WOLFGANGDE ; WOLFANG ORGELDINGER

Agent(s): GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; SCHOPPE ZIMMERMANN STOECKELER ZINKLER SCHENK AND PARTNER MBB PATENTANWALTE; ZIMMERMANN TANKRED KLAUS; PONTI ADELAIDA; MORENO ENRIQUE; GLENN PATENT GROUP; MICHAEL A; PERKINS COIE LLP; SCHOPPE FRITZ; ZIMMERMANN TANKRED ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR076299 AA	20110601	LSPB	+	published / reissued	
AR076299 AA	20140428	LSGT	+FG	GRANT, REGISTRATION	
AU2009344371 AA	20101021	LSPB	+	published / reissued	
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CN102395515 B	20140312	LSGT	+	granted / extensions (spc, cpc, pte)
CN102459012 A	20120516	LSPB	+	published / reissued
CN102459012 A	20140212	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL
CN102459012 B	20140212	LSGT	+	granted / extensions (spc, cpc, pte)
CN102459013 A	20120516	LSPB	+	published / reissued
CN102459013 A	20140625	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL
CN102459013 B	20140625	LSGT	+	granted / extensions (spc, cpc, pte)
CO6460704 A2	20120615	LSPB	+	published / reissued
CO6460704 A2	20130826	LSGT	+FG	APPLICATION GRANTED
CO6460705 A2	20120615	LSPB	+	published / reissued
CO6460705 A2	20130918	LSGT	+FG	APPLICATION GRANTED
CO6460706 A2	20120615	LSPB	+	published / reissued
CO6460706 A2	20130826	LSGT	+FG	APPLICATION GRANTED
CO6460765 A2	20120615	LSPB	+	published / reissued
CO6460765 A2	20130814	LSGT	+FG	APPLICATION GRANTED
CR20110514 A	20120119	LSPB	+	published / reissued
CR20110521 A	20120119	LSPB	+	published / reissued
CR20110522 A	20120130	LSPB	+	published / reissued
CR20110532 A	20120130	LSPB	+	published / reissued
DE102009049103 A1	20101104	LSPB	+	published / reissued
DE102009049103 A1	20101104	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
DE102009049103 A1	20150320	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS
DE102009049103 A1	20150501	LSRV	-R003	REFUSAL DECISION NOW FINAL
DE102009049184 A1	20101104	LSPB	+	published / reissued
DE102009049184 A1	20101104	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
DE102009049184 A1	20150515	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS
DE102009049184 A1	20150623	LSRV	-R003	REFUSAL DECISION NOW FINAL
DE102009049185 A1	20110105	LSPB	+	published / reissued
DE102009049185 A1	20110105	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
DE102009049185 A1	20150320	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS
DE102009049185 A1	20150501	LSRV	-R003	REFUSAL DECISION NOW FINAL

DE102009049186 A1	20101104	LSPB	+	published / reissued	
DE102009049186 A1	20101104	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE102009049186 A1	20150320	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS	
DE102009049186 A1	20150501	LSRV	-R003	REFUSAL DECISION NOW FINAL	
DK2408677 T3	20130422	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2408678 T3	20130521	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2419344 T3	20130819	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2419345 T3	20131021	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2419346 T3	20130422	LSGT	+	granted / extensions (spc, cpc, pte)	
ECSP11011399 A	20111130	LSPB	+	published / reissued	
ECSP11011400 A	20111130	LSPB	+	published / reissued	
ECSP11011401 A	20111130	LSPB	+	published / reissued	
ECSP11011402 A	20111130	LSPB	+	published / reissued	
EG26482 A	20131202	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2408677 A1	20120125	LSPB	+	published / reissued	
EP2408677 A1	20120125	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111017
EP2408677 A1	20130123	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2408677 A1	20130131	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2408677 A1	20130215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2408677 A1	20130215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 594811 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130215
EP2408677 A1	20130227	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2408677 A1	20130321	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502009006128 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130321
EP2408677 A1	20130408	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2400206 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20130408
EP2408677 A1	20130422	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2408677 A1	20130515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2408677 A1	20130610	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130123

EP2408677 A1	20130618	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130400817 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20130517
EP2408677 A1	20130625	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2408677 A1	20130731	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 : 20130523
EP2408677 A1	20130731	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 : 20130123
EP2408677 A1	20131129	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 : 20130123
EP2408677 A1	20131129	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 : 20130123
EP2408677 A1	20131230	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E017576 COUNTRY OF REF DOCUMENT : HU
EP2408677 A1	20140101	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20131024
EP2408677 A1	20140213	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502009006128 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131024
EP2408677 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20140324 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20140429 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20140421 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20140417 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20140326 YEAR OF FEE PAYMENT : 6

EP2408677 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20140430 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20140423 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20140930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20140422 YEAR OF FEE PAYMENT : 6
EP2408677 A1	20150227	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 : 20130123
EP2408677 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130123
EP2408677 A1	20151130	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2408677 A1	20151215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : MM4A REF DOCUMENT NUMBER : E007811 COUNTRY OF REF DOCUMENT : EE EFFECTIVE DATE : 20150430
EP2408677 A1	20160127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2408677 A1	20160129	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150430
EP2408677 A1	20160129	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2408677 A1	20160129	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2408677 A1	20160129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SI REF LEGAL EVENT CODE : K000 EFFECTIVE DATE : 20151215
EP2408677 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2408677 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150416
EP2408677 A1	20160309	LSFE	REG	REFERENCE TO A NATIONAL	COUNTRY OF REF DOCUMENT :

CODE					FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2408677 A1	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 : 20150415
EP2408677 A1	20160429	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20160331
EP2408677 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160318 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160314 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160307 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160413 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE

EP2408677 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 8 COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160330 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160414 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160317 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160418 YEAR OF FEE PAYMENT : 8
EP2408677 A1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2408677 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170321 YEAR OF FEE PAYMENT : 9
EP2408677 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 9
EP2408677 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 9
EP2408677 B1	20130123	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2408678 A1	20120125	LSPB	+	published / reissued	
EP2408678 A1	20120125	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111017
EP2408678 A1	20130213	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2408678 A1	20130215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 596342 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130215
EP2408678 A1	20130313	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2408678 A1	20130411	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010002318 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130411
EP2408678 A1	20130422	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2401489 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20130422

EP2408678 A1	20130513	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2408678 A1	20130522	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2408678 A1	20130603	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130213
EP2408678 A1	20130725	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2408678 A1	20130731	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 : 20130613
EP2408678 A1	20130731	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 : 20130213
EP2408678 A1	20130830	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130400923 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20130614
EP2408678 A1	20131004	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1166483 COUNTRY OF REF DOCUMENT : HK
EP2408678 A1	20131129	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 : 20130213
EP2408678 A1	20131230	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E017683 COUNTRY OF REF DOCUMENT : HU
EP2408678 A1	20140122	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20131114
EP2408678 A1	20140227	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010002318 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131114
EP2408678 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20140429 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20140324 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20140421 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES	COUNTRY OF REF DOCUMENT :

				PAID TO NATIONAL OFFICE	IE PAYMENT DATE : 20140417 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20140423 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20140326 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20140430 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20140930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20140422 YEAR OF FEE PAYMENT : 5
EP2408678 A1	20150227	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 : 20130213
EP2408678 A1	20150529	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 : 20130213
EP2408678 A1	20150630	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 : 20130213
EP2408678 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130213
EP2408678 A1	20151130	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2408678 A1	20151215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : MM4A REF DOCUMENT NUMBER : E008014 COUNTRY OF REF DOCUMENT : EE EFFECTIVE DATE : 20150430
EP2408678 A1	20160127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2408678 A1	20160129	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2408678 A1	20160129	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 NON- PAYMENT OF DUE FEES

EP2408678 A1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	LAPSED DATE : 20150430 COUNTRY OF REF DOCUMENT : FI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2408678 A1	20160129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SI REF LEGAL EVENT CODE : K000 EFFECTIVE DATE : 20151215
EP2408678 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2408678 A1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2408678 A1	20160309	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2408678 A1	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
EP2408678 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160304 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160318 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160314 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160307 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7

EP2408678 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160413 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160414 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160316 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160330 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160418 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2408678 A1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2408678 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170321 YEAR OF FEE PAYMENT : 8
EP2408678 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2408678 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2408678 B1	20130213	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2419344 A1	20120222	LSPB	+	published / reissued	
EP2419344 A1	20120222	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111017
EP2419344 A1	20130605	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2419344 A1	20130614	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2419344 A1	20130615	LSNP	REG	REFERENCE TO A NATIONAL	REF COUNTRY CODE : AT

				CODE	REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 615534 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130615
EP2419344 A1	20130703	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2419344 A1	20130801	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010003578 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130801
EP2419344 A1	20130902	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2419344 A1	20131002	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2419344 A1	20131014	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130605
EP2419344 A1	20131021	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2426138 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20131021
EP2419344 A1	20131031	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 : 20130605
EP2419344 A1	20131120	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130401850 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20131015
EP2419344 A1	20131125	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2419344 A1	20140124	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1167379 COUNTRY OF REF DOCUMENT : HK
EP2419344 A1	20140131	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 : 20131005
EP2419344 A1	20140428	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E018842 COUNTRY OF REF DOCUMENT : HU
EP2419344 A1	20140514	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140306
EP2419344 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20140429

EP2419344 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 5 COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20140324 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20140618	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010003578 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140306
EP2419344 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20140417 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20140421 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20140430 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20140326 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20140423 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20140930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20140422 YEAR OF FEE PAYMENT : 5
EP2419344 A1	20141128	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 : 20130605
EP2419344 A1	20151130	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419344 A1	20151215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : MM4A REF DOCUMENT NUMBER : E008446 COUNTRY OF REF DOCUMENT : EE EFFECTIVE DATE : 20150430
EP2419344 A1	20160127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2419344 A1	20160129	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150430
EP2419344 A1	20160129	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419344 A1	20160129	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 NON- PAYMENT OF DUE FEES

LAPSED DATE : 20150414					
EP2419344 A1	20160129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SI REF LEGAL EVENT CODE : KO00 EFFECTIVE DATE : 20151215
EP2419344 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419344 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2419344 A1	20160309	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160331	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 : 20130605
EP2419344 A1	20160429	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20160331
EP2419344 A1	20160429	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 : 20130605
EP2419344 A1	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 : 20150414
EP2419344 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160318 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160304 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160314 YEAR OF FEE PAYMENT : 7

EP2419344 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160307 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160630	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 : 20130605
EP2419344 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160413 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160316 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160418 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160414 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160330 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419344 A1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2419344 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2419344 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170321 YEAR OF FEE PAYMENT : 8

EP2419344 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2419344 B1	20130605	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2419345 A1	20120222	LSPB	+	published / reissued	
EP2419345 A1	20120222	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111017
EP2419345 A1	20130306	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : ORGELDINGER, WOLFGANG
EP2419345 A1	20130724	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2419345 A1	20130731	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2419345 A1	20130815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 623267 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130815
EP2419345 A1	20130828	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2419345 A1	20130919	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010004128 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130919
EP2419345 A1	20131024	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2419345 A1	20131111	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130724
EP2419345 A1	20131120	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2419345 A1	20131227	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2419345 A1	20140114	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130402230 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20131118
EP2419345 A1	20140124	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1167378 COUNTRY OF REF DOCUMENT : HK
EP2419345 A1	20140131	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 : 20130724
EP2419345 A1	20140131	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 : 20131124
EP2419345 A1	20140131	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 : 20130814
EP2419345 A1	20140331	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 : 20130724
EP2419345 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20140324 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20140429 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140702	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140425
EP2419345 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20140421 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20140417 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140807	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010004128 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140425
EP2419345 A1	20140828	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E019928 COUNTRY OF REF DOCUMENT : HU
EP2419345 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20140326 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20140423 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20140430 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20140930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20140422 YEAR OF FEE PAYMENT : 5
EP2419345 A1	20141128	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 : 20130724
EP2419345 A1	20151130	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 NON-

					PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419345 A1	20151130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2419345 A1	20151215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : MM4A REF DOCUMENT NUMBER : E008447 COUNTRY OF REF DOCUMENT : EE EFFECTIVE DATE : 20150430
EP2419345 A1	20160127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2419345 A1	20160129	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150430
EP2419345 A1	20160129	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419345 A1	20160129	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 : 20150430
EP2419345 A1	20160129	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 : 20150430
EP2419345 A1	20160129	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419345 A1	20160129	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : AECN TEXT : DAS PATENT IST AUFGRUND DES WEITERBEHANDLUNGSANTRAGS VOM 19. JANUAR 2016 REAKTIVIERT WORDEN.
EP2419345 A1	20160129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SI REF LEGAL EVENT CODE : KO00 EFFECTIVE DATE : 20151215
EP2419345 A1	20160229	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419345 A1	20160229	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 NON- PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2419345 A1	20160309	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160331	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 : 20130724

EP2419345 A1	20160429	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 : 20150430
EP2419345 A1	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
EP2419345 A1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419345 A1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150430
EP2419345 A1	20160429	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 : 20130724
EP2419345 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160304 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160318 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160429	LSRE	+PGRI	POSTGRANT: PATENT REINSTATED IN CONTRACTING STATE	COUNTRY OF REF DOCUMENT : CH REINSTATED DATE : 20160119
EP2419345 A1	20160429	LSRE	+PGRI	POSTGRANT: PATENT REINSTATED IN CONTRACTING STATE	COUNTRY OF REF DOCUMENT : LI REINSTATED DATE : 20160119
EP2419345 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160307 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160314 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7

EP2419345 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160413 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160418 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160330 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160414 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160316 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20161013 YEAR OF FEE PAYMENT : 7
EP2419345 A1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2419345 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2419345 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2419345 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170321 YEAR OF FEE PAYMENT : 8
EP2419345 B1	20130724	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2419346 A1	20120222	LSPB	+	published / reissued	
EP2419346 A1	20120222	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111017
EP2419346 A1	20130123	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2419346 A1	20130131	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2419346 A1	20130215	LSNP	REG	REFERENCE TO A NATIONAL	REF COUNTRY CODE : CH

				CODE	REF LEGAL EVENT CODE : EP
EP2419346 A1	20130215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 594812 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130215
EP2419346 A1	20130227	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2419346 A1	20130321	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502010002227 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130321
EP2419346 A1	20130402	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2399606 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20130402
EP2419346 A1	20130422	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP2419346 A1	20130501	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2419346 A1	20130610	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20130123
EP2419346 A1	20130618	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20130400816 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20130517
EP2419346 A1	20130625	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2419346 A1	20130731	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 : 20130123
EP2419346 A1	20130731	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 : 20130523
EP2419346 A1	20130919	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1167380 COUNTRY OF REF DOCUMENT : HK
EP2419346 A1	20131128	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E017491 COUNTRY OF REF DOCUMENT : HU
EP2419346 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT :

				STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	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 : 20130123
EP2419346 A1	20131129	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 : 20130123
EP2419346 A1	20140101	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20131024
EP2419346 A1	20140213	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502010002227 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131024
EP2419346 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20140429 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140530	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HR PAYMENT DATE : 20140324 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20140417 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20140421 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20140326 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20140430 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20140423 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20140930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20140422 YEAR OF FEE PAYMENT : 5
EP2419346 A1	20150227	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 : 20130123
EP2419346 A1	20150529	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 : 20130123
EP2419346 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO

EP2419346 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130123 COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419346 A1	20151215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : MM4A REF DOCUMENT NUMBER : E007810 COUNTRY OF REF DOCUMENT : EE EFFECTIVE DATE : 20150430
EP2419346 A1	20160127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2419346 A1	20160129	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150430
EP2419346 A1	20160129	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419346 A1	20160129	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419346 A1	20160129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SI REF LEGAL EVENT CODE : K000 EFFECTIVE DATE : 20151215
EP2419346 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150414
EP2419346 A1	20160229	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20150415
EP2419346 A1	20160309	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2419346 A1	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 : 20150414
EP2419346 A1	20160429	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20160331
EP2419346 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160304 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES	COUNTRY OF REF DOCUMENT :

				PAID TO NATIONAL OFFICE	TR PAYMENT DATE : 20160318 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20160308 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160309 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20160315 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20160307 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160314 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160630	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160405 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160413 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160411 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NO PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20160316 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160412 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20160414 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160330 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160418 YEAR OF FEE PAYMENT : 7
EP2419346 A1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR

					REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2419346 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20170321 YEAR OF FEE PAYMENT : 8
EP2419346 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2419346 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 8
EP2419346 B1	20130123	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2399606 T3	20130402	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2400206 T3	20130408	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2401489 T3	20130422	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2426138 T3	20131021	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2432499 T3	20131203	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1166483 A1	20131004	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1167378 A1	20140124	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1167379 A1	20140124	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1167380 A1	20130919	LSGT	+	granted / extensions (spc, cpc, pte)	
HR20130329 T1	20130531	LSPB	+	published / reissued	
HR20130342 T1	20130531	LSPB	+	published / reissued	
HR20130361 T1	20130531	LSPB	+	published / reissued	
HR20130740 T1	20131011	LSPB	+	published / reissued	
HR20130980 T1	20131122	LSPB	+	published / reissued	
IN04086KN2011 A	20120629	LSPB	+	published / reissued	
IN04087KN2011 A	20120629	LSPB	+	published / reissued	
IN04106KN2011 A	20120629	LSPB	+	published / reissued	
IN04172KN2011 A	20120706	LSPB	+	published / reissued	
IN04173KN2011 A	20120706	LSPB	+	published / reissued	
JP2012523993 T2	20121011	LSPB	+	published / reissued	
JP2012523995 T2	20121011	LSPB	+	published / reissued	
JP2012523996 T2	20121011	LSPB	+	published / reissued	
JP2012523996 T2	20130227	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130226
JP2012523996 T2	20130531	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130530
JP2012523996 T2	20130926	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2012523996 T2	20131002	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20131001
JP2012523996 T2	20131031	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20131028
JP2012523996 T2	20131101	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP2012523997 T2	20121011	LSPB	+	published / reissued	
JP2012523997 T2	20130227	LSES	-A131	NOTIFICATION OF REASONS	DESCRIPTION : JAPANESE

FOR REFUSAL					INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130226
JP2012523997 T2	20130531	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130530
JP2012523997 T2	20130926	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2012523997 T2	20131002	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20131001
JP2012523997 T2	20131031	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20131028
JP2012523997 T2	20131101	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP2012523998 T2	20121011	LSPB	+	published / reissued	
JP2012523998 T2	20130227	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130226
JP2012523998 T2	20130531	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130530
JP2012523998 T2	20130926	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2012523998 T2	20131002	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20131001
JP2012523998 T2	20131031	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20131028
JP2012523998 T2	20131101	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP5401600 B2	20140129	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5401600 B2	20161101	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
JP5401601 B2	20140129	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5401601 B2	20161101	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
JP5401602 B2	20140129	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5401602 B2	20161101	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
JP5442847 B2	20140312	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5442847 B2	20130227	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130226
JP5442847 B2	20131120	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5442847 B2	20131127	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20131126
JP5442847 B2	20131226	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20131218
JP5442847 B2	20131227	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP5442847 B2	20161206	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5530511 B2	20140625	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5530511 B2	20130313	LSES	-A131	NOTIFICATION OF REASONS	TEXT : JAPANESE

FOR REFUSAL					INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130312
JP5530511 B2	20130524	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130523
JP5530511 B2	20131030	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20131029
JP5530511 B2	20140128	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140127
JP5530511 B2	20140324	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5530511 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
JP5530511 B2	20140424	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20140418
JP5530511 B2	20140425	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5530511 COUNTRY OF REF DOCUMENT : JP
JP5530511 B2	20170404	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
MA33200 B1	20120402	LSGT	+	granted / extensions (spc, cpc, pte)	
MA33201 B1	20120402	LSGT	+	granted / extensions (spc, cpc, pte)	
MA33202 B1	20120402	LSGT	+	granted / extensions (spc, cpc, pte)	
MA33203 B1	20120402	LSGT	+	granted / extensions (spc, cpc, pte)	
MX2011010798 A1	20120208	LSPB	+	published / reissued	
MX2011010798 A1	20140409	LSGT	+FG	GRANT OR REGISTRATION	
MX2011010799 A1	20111214	LSPB	+	published / reissued	
MX2011010800 A1	20111212	LSPB	+	published / reissued	
MX2011010800 A1	20140430	LSGT	+FG	GRANT OR REGISTRATION	
MX2011010855 A1	20111118	LSPB	+	published / reissued	
NZ596148 A	20140131	LSPB	+	published / reissued	
NZ596148 A	20140530	LSGT	+PSEA	PATENT SEALED	
NZ596148 A	20140530	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2017 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140507
NZ596148 A	20140530	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2020 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140507
NZ596148 A	20140530	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2023 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140507
NZ596148 A	20140530	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 7 YEARS UNTIL 14 APR 2030 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140507
NZ596149 A	20130531	LSPB	+	published / reissued	
NZ596149 A	20130927	LSGT	+PSEA	PATENT SEALED	
NZ596149 A	20140328	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2017 BY EUROPEAN PATENT ANNUITY SERVICE GMBH EFFECTIVE DATE : 20140322

NZ596149 A	20170331	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 14 APR 2018 BY CPA GLOBAL EFFECTIVE DATE : 20170303
NZ596150 A	20140131	LSPB	+	published / reissued	
NZ596150 A	20140530	LSGT	+PSEA	PATENT SEALED	
NZ596150 A	20140725	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2017 BY EUROPEAN PATENT ANNUITY SERVICE GMBH EFFECTIVE DATE : 20140704
NZ596150 A	20170331	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 14 APR 2018 BY CPA GLOBAL EFFECTIVE DATE : 20170303
NZ596152 A	20140131	LSPB	+	published / reissued	
NZ596152 A	20140530	LSGT	+PSEA	PATENT SEALED	
NZ596152 A	20140530	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2017 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140506
NZ596152 A	20140530	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2020 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140506
NZ596152 A	20140530	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2023 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140506
NZ596152 A	20140530	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	DESCRIPTION : PATENT RENEWED FOR 7 YEARS UNTIL 14 APR 2030 BY P L BERRY + ASSOCIATES EFFECTIVE DATE : 20140506
NZ620437 A	20150731	LSPB	+	published / reissued	
NZ620437 A	20151127	LSGT	+PSEA	PATENT SEALED	
NZ620437 A	20160331	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 14 APR 2017 BY CPA GLOBAL EFFECTIVE DATE : 20160304
NZ620437 A	20170331	LSFE	+RENW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 14 APR 2018 BY CPA GLOBAL EFFECTIVE DATE : 20170303
PT2408677 T	20130503	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2408678 T	20130521	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2419344 T	20130913	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2419345 T	20131031	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2419346 T	20130419	LSGT	+	granted / extensions (spc, cpc, pte)	
RS20110449 A1	20120831	LSPB	+	published / reissued	
RS20110450 A1	20120831	LSPB	+	published / reissued	
RS20110451 A1	20120831	LSPB	+	published / reissued	
RS20110452 A1	20120831	LSPB	+	published / reissued	
RS20110453 A1	20120831	LSPB	+	published / reissued	
RS52827 B	20131031	LSGT	+	granted / extensions (spc, cpc, pte)	
RS52890 B	20140228	LSGT	+	granted / extensions (spc, cpc, pte)	
RS52994 B	20140228	LSGT	+	granted / extensions (spc, cpc, pte)	
RS53116 B	20140630	LSGT	+	granted / extensions (spc, cpc, pte)	

RS53117 B	20140630	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2011142296 A	20130427	LSPB	+	published / reissued	
RU2011142298 A	20130427	LSPB	+	published / reissued	
RU2011142300 A	20130427	LSPB	+	published / reissued	
RU2011142302 A	20130427	LSPB	+	published / reissued	
RU2011142304 A	20130427	LSPB	+	published / reissued	
RU2495804 C2	20131020	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2499754 C2	20131127	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2501724 C2	20131220	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2509699 C2	20140320	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2535505 C2	20141210	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2408677 T1	20130531	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2408678 T1	20130628	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2419344 T1	20131030	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2419345 T1	20131129	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2419346 T1	20130531	LSGT	+	granted / extensions (spc, cpc, pte)	
TH118035 A	20121127	LSPB	+	published / reissued	
TH118616 A	20121227	LSPB	+	published / reissued	
TH118617 A	20121227	LSPB	+	published / reissued	
TH118618 A	20121227	LSPB	+	published / reissued	
UA104018 C2	20131225	LSGT	+	granted / extensions (spc, cpc, pte)	
UA104309 C2	20140127	LSGT	+	granted / extensions (spc, cpc, pte)	
UA105381 C2	20140512	LSGT	+	granted / extensions (spc, cpc, pte)	
US2012118883 AA	20120517	LSPB	+	published / reissued	
US2012118883 AA	20120130	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ORGELDINGER, WOLFGANG; REEL/FRAME:027619/0487 EFFECTIVE DATE : 20120110
US2012118884 AA	20120517	LSPB	+	published / reissued	
US2012118884 AA	20120130	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ORGELDINGER, WOLFGANG; REEL/FRAME:027619/0529 EFFECTIVE DATE : 20120110
US2012152947 AA	20120621	LSPB	+	published / reissued	
US2012152947 AA	20120302	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ORGELDINGER, WOLFGANG; REEL/FRAME:027797/0636 EFFECTIVE DATE : 20120110
US2012181271 AA	20120719	LSPB	+	published / reissued	
US2012181271 AA	20120130	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:DEKKERS, HENDRIK; REEL/FRAME:027619/0661 EFFECTIVE DATE : 20120111

US2013048652 AA	20130228	LSPB	+	published / reissued	
US2013048652 AA	20120912	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ORGELDINGER, WOLFGANG; REEL/FRAME:028946/0331 EFFECTIVE DATE : 20120110
US2013240522 AA	20130919	LSPB	+	published / reissued	
US2013240522 AA	20140130	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ORGELDINGER, WOLFGANG; REEL/FRAME:032099/0850 EFFECTIVE DATE : 20130823
US8522992 BB	20130903	LSGT	+	granted / extensions (spc, cpc, pte)	
US8627973 BB	20140114	LSGT	+	granted / extensions (spc, cpc, pte)	
US8627973 BB	20120130	LSAS	AS	ASSIGNMENT	OWNER NAME : IFCO SYSTEMS GMBH, GERMANY DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:DEKKERS, HENDRIK; REEL/FRAME:027619/0661 EFFECTIVE DATE : 20120111
US8640912 BB	20140204	LSGT	+	granted / extensions (spc, cpc, pte)	
US8651310 BB	20140218	LSGT	+	granted / extensions (spc, cpc, pte)	
US8662333 BB	20140304	LSGT	+	granted / extensions (spc, cpc, pte)	
US8807365 BB	20140819	LSGT	+	granted / extensions (spc, cpc, pte)	
US8875924 BB	20141104	LSGT	+	granted / extensions (spc, cpc, pte)	
UY32701 A1	20100730	LSPB	+	published / reissued	
WO10118758 A1	20101021	LSPB	+	published / reissued	
WO10118758 A1	20111014	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012505053 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO10118758 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012505053 COUNTRY OF REF DOCUMENT : JP
WO10118758 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2758875 COUNTRY OF REF DOCUMENT : CA
WO10118758 A1	20111017	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10118758 A1	20111019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011142296 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A
WO10118758 A1	20111114	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009344371 COUNTRY OF REF DOCUMENT : AU
WO10118758 A1	20111208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2009344371 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20090415 KIND CODE OF REF DOCUMENT : A
WO10118758 A1	20160524	LSNP	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : BR REF LEGAL EVENT CODE : B01E REF DOCUMENT NUMBER :

					PI0924017 COUNTRY OF REF DOCUMENT : BR DESCRIPTION : IDENTIFIQUE E COMPROVE QUE O SIGNATARIO DA PETICAO NO 018110040191 DE 14/10/2011 TEM PODERES PARA ATUAR EM NOME DO DEPOSITANTE, UMA VEZ QUE NAO E POSSIVEL IDENTIFICAR O NOME DO RESPONSAVEL PELA ASSINATURA DO FORMULARIO, NAO SENDO POSSIVEL DETERMINAR SE ELE FAZ PARTE DOS PROCURADORES ELECADOS NA PROCURACAO E O ARTIGO 216 DA LEI 9.279/1996 DE 14/05/1996 (LPI) DETERMINA QUE OS ATOS PREVISTOS NESTA LEI SERAO PRATICADOS PELAS PARTES OU POR SEUS PROCURADORES, DEVIDAMENTE QUALIFICADOS .
WO10118758 A1	20160802	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0924017 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 EFFECTIVE DATE : 20111014
WO10119068 A1	20101021	LSPB	+	published / reissued	
WO10119068 A1	20111009	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 215634 COUNTRY OF REF DOCUMENT : IL
WO10119068 A1	20111014	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012505156 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO10119068 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012505156 COUNTRY OF REF DOCUMENT : JP
WO10119068 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2758767 COUNTRY OF REF DOCUMENT : CA
WO10119068 A1	20111017	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10119068 A1	20111019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011142298 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A
WO10119068 A1	20111102	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 596148 COUNTRY OF REF DOCUMENT : NZ
WO10119068 A1	20111114	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010238508 COUNTRY OF REF DOCUMENT : AU
WO10119068 A1	20111115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A201112055 COUNTRY OF REF DOCUMENT : UA
WO10119068 A1	20111208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010238508 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20100414 KIND CODE OF REF DOCUMENT : A
WO10119072 A1	20101021	LSPB	+	published / reissued	
WO10119072 A1	20111009	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 215637 COUNTRY OF REF DOCUMENT : IL

WO10119072 A1	20111014	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012505157 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO10119072 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2758768 COUNTRY OF REF DOCUMENT : CA
WO10119072 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012505157 COUNTRY OF REF DOCUMENT : JP
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WO10119072 A1	20111114	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010238512 COUNTRY OF REF DOCUMENT : AU
WO10119072 A1	20111115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A201112056 COUNTRY OF REF DOCUMENT : UA
WO10119072 A1	20111208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010238512 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20100414 KIND CODE OF REF DOCUMENT : A
WO10119072 A1	20160419	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI1006601 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 EFFECTIVE DATE : 20111014
WO10119073 A1	20101021	LSPB	+	published / reissued	
WO10119073 A1	20111009	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 215636 COUNTRY OF REF DOCUMENT : IL
WO10119073 A1	20111014	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012505158 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO10119073 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012505158 COUNTRY OF REF DOCUMENT : JP
WO10119073 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2758769 COUNTRY OF REF DOCUMENT : CA
WO10119073 A1	20111017	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10119073 A1	20111019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011142302 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A

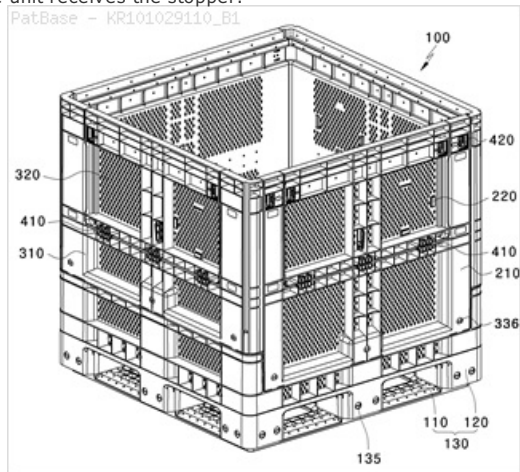
WO10119073 A1	20111102	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 596150 COUNTRY OF REF DOCUMENT : NZ
WO10119073 A1	20111114	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010238513 COUNTRY OF REF DOCUMENT : AU
WO10119073 A1	20111115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A201112057 COUNTRY OF REF DOCUMENT : UA
WO10119073 A1	20111208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010238513 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20100414 KIND CODE OF REF DOCUMENT : A
WO10119075 A1	20101021	LSPB	+	published / reissued	
WO10119075 A1	20111009	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 215635 COUNTRY OF REF DOCUMENT : IL
WO10119075 A1	20111014	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012505159 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO10119075 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2758771 COUNTRY OF REF DOCUMENT : CA
WO10119075 A1	20111014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012505159 COUNTRY OF REF DOCUMENT : JP
WO10119075 A1	20111017	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10119075 A1	20111019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011142304 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A
WO10119075 A1	20111102	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 596152 COUNTRY OF REF DOCUMENT : NZ
WO10119075 A1	20111114	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010238515 COUNTRY OF REF DOCUMENT : AU
WO10119075 A1	20111115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A201112058 COUNTRY OF REF DOCUMENT : UA
WO10119075 A1	20111208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010238515 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20100414 KIND CODE OF REF DOCUMENT : A
ZA201107167 A	20120627	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201107168 A	20120627	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201107237 A	20120627	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201107238 A	20120627	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201107239 A	20120627	LSGT	+	granted / extensions (spc,	

Title: BOX TYPE **PALLET** ASSEMBLY

Abstract: Source: KR101029110B PURPOSE: A box type pallet is provided to increase the allowable load by widening the contact area of a stopper of a supporting wall and a combining member. CONSTITUTION: A box type pallet(100) comprises a settling groove, a supporting wall insert unit, a guiding groove, a **hinge protrusion**, a stopper, and a concave unit. A mounting groove is formed on a supporting wall. The supporting wall insert unit is formed on the combining member, and inserted into the mounting groove. The guiding groove is formed on the lower side of the supporting wall. The **hinge protrusion** is formed on the supporting wall insert unit. The concave unit receives the stopper.

Classifications:

International (IPC 8-9): B65D19/06 B65D19/38 B65D6/22
B65D6/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
KR101029110 B1	20110413	KR20100044995	20100513

Priority:

KR20100044995 20100513

Probable Assignee:

NAT PLASTIC CO LTD

Assignee(s): (std):

NAT PLASTIC CO LTD

Assignee(s):

NATIONAL PLASTIC CO

Inventor(s): (std):

HONG SEUNG BAE

Legal status (INPADOC)

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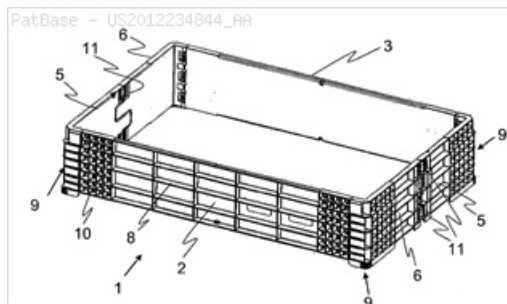
Patent	Date recorded	Event group	Code	Event	Details
KR101029110 B1	20110413	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101029110 B1	20100513	LSES	A201	REQUEST FOR EXAMINATION	
KR101029110 B1	20100520	LSES	A302	REQUEST FOR ACCELERATED EXAMINATION	
KR101029110 B1	20100726	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101029110 B1	20101105	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR101029110 B1	20110103	LSRV	-E90F	NOTIFICATION OF REASON FOR FINAL REFUSAL	
KR101029110 B1	20110107	LSRE	AMND	AMENDMENT	
KR101029110 B1	20110308	LSGT	+X701	DECISION TO GRANT (AFTER RE-EXAMINATION)	
KR101029110 B1	20110406	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101029110 B1	20140404	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20140404 YEAR OF FEE PAYMENT : 4
KR101029110 B1	20160401	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20160401 YEAR OF FEE PAYMENT : 6

Title: EXTENSION FRAME FOR A TRANSPORT BOX OR A **PALLET**

Abstract: Source: US2012234844A An extension frame for a transport box or a **pallet** includes two long sides, and two collapsible transverse sides. An angle piece is formed on one of the transverse sides or on one of the long sides, with the angle piece having a free end forming a **hinge** with a free end of an adjacent long side or transverse side. The **hinge** has in the open state and the collapsed state a locking position in which the long side and the adjacent transverse side are engageable.

Classifications:

International (IPC 8-9): A47G19/22 B65D19/06 B65D19/12 B65D19/16 B65D19/18 B65D19/38 B65D19/44 B65D25/20 B65D6/18 (Advanced/Invention); E05D7/00 (Core/Invention)
CPC: B65D19/18 B65D11/1853 B65D2519/00174 B65D2519/00422 B65D2519/00497 B65D2519/00502 B65D2519/00592 B65D2519/00641 B65D2519/00915
European: B65D11/18E2 B65D19/18 L65D519/00Y1F4 L65D519/00Y2E11F L65D519/00Y2F1 L65D519/00Y2F2 L65D519/00Y3B1A2 L65D519/00Y3C1 L65D519/00Y4H2E2
US: 108/55.1 220/1.5 220/4.28 220/4.29 220/6 220/7 220/720



Family:

Publication number	Publication date	Application number	Application date
CA2770936 AA	20120916	CA20122770936	20120312
CA2770936 C	20141202	CA20122770936	20120312
CH704659 A2	20120928	CH20110000441	20110316
DE502012003779 D1	20150827	DE201250003779T	20120306
EP2500290 A1	20120919	EP20120158180	20120306
EP2500290 B1	20150715	EP20120158180	20120306
MX2012003283 A1	20120917	MX20120003283	20120316
US2012234844 AA	20120920	US20120422121	20120316
US9033183 BB	20150519	US20120422121	20120316

Priority:

CA20122770936 20120312 CH20110000441 20110316 CH20110041111 20110316
 CH20110044111 20110316 CH20110000441 20110316 EP20120158180 20120306

Probable Assignee: UTZ GEORG HOLDING AG

Assignee(s): (std): HUG YVES ; UTZ GEORG HOLDING AG

Assignee(s): GEORG UTZ HOLDING AG ; GEORG UTZ HOLDING AGAUGRABEN 2-4CH-5620BREMGAERTENCH

Inventor(s): (std): HUG YVES ; HUG YVES

Inventor(s): YVES HUG ; YVES HUG ; HUG YVESCH

Agent(s): MOFFAT AND CO; CANZLER AND BERGMEIER PATENTANWALTE; SPIERENBURG PIETER; HENRY M FEIEREISEN LLC

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2770936 AA	20120916	LSPB	+	published / reissued	
CA2770936 AA	20120312	LSSES	+EEER	EXAMINATION REQUEST	
CA2770936 C	20141202	LSGT	+	granted / extensions (spc, cpc, pte)	
CH704659 A2	20120928	LSPB	+	published / reissued	
CH704659 A2	20161031	LSRV	-AZW	REJECTION (APPLICATION)	
EP2500290 A1	20120919	LSPB	+	published / reissued	
EP2500290 A1	20130424	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130315
EP2500290 A1	20131225	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20131122
EP2500290 A1	20150311	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20150210
EP2500290 A1	20150715	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

EP2500290 A1	20150715	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2500290 A1	20150812	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2500290 A1	20150815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 736654 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150815
EP2500290 A1	20150827	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502012003779 COUNTRY OF REF DOCUMENT : DE
EP2500290 A1	20151228	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
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EP2500290 A1	20160129	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 : 20151015
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EP2500290 A1	20160129	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 : 20150715
EP2500290 A1	20160129	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 : 20150715
EP2500290 A1	20160229	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 : 20150715
EP2500290 A1	20160229	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

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EP2500290 A1	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 : 5
EP2500290 A1	20160418	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502012003779 COUNTRY OF REF DOCUMENT : DE
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EP2500290 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160218 YEAR OF FEE PAYMENT : 5
EP2500290 A1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED

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EP2500290 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160321 YEAR OF FEE PAYMENT : 5
EP2500290 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160328 YEAR OF FEE PAYMENT : 5
EP2500290 A1	20160622	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20160418
EP2500290 A1	20160630	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 : 20150715
EP2500290 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 5
EP2500290 A1	20160831	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20160331
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EP2500290 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160331 YEAR OF FEE PAYMENT : 5
EP2500290 A1	20161031	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 : 20150715
EP2500290 A1	20161031	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 : 20160306
EP2500290 A1	20161228	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2500290 A1	20170131	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 : 20160306
EP2500290 A1	20170323	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
EP2500290 A1	20170428	LSFE	+PGFP	POSTGRANT:	COUNTRY OF REF DOCUMENT :

				ANNUAL FEES PAID TO NATIONAL OFFICE	FR PAYMENT DATE : 20170323 YEAR OF FEE PAYMENT : 6
EP2500290 A1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170207 YEAR OF FEE PAYMENT : 6
EP2500290 B1	20150715	LSGT	+	granted / extensions (spc, cpc, pte)	
MX2012003283 A1	20120917	LSPB	+	published / reissued	
MX2012003283 A1	20150717	LSGT	+FG	GRANT OR REGISTRATION	
US2012234844 AA	20120920	LSPB	+	published / reissued	
US2012234844 AA	20120316	LSAS	AS	ASSIGNMENT	OWNER NAME : GEORG UTZ HOLDING AG, SWITZERLAND DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUG, YVES; REEL/FRAME:027876/0390 EFFECTIVE DATE : 20120313
US9033183 BB	20150519	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: COMPOSITE **PALLET**

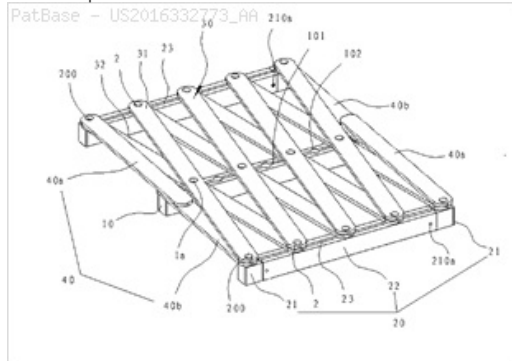
Abstract: Source: US2016332773A The present invention provides a composite **pallet**, which includes two parallel bottom block components, each of the bottom block components includes a first bottom block and a second bottom block slidably connected, the first bottom block is capable of sliding relative to the second bottom block to vary the length. The composite **pallet** further includes two cantilever components, each of the two cantilever components includes a first cantilever and a second cantilever slidably connected, the first cantilever and the second cantilever are fixed to a corresponding one of the bottom block components, the first cantilever being capable of sliding relative to the second cantilever along a lengthwise direction of the cantilever components to vary the length of the cantilever components.

Classifications:

International (IPC 8-9): B65D19/00 B65D19/26 B65D19/38 B65D85/48 (Advanced/Invention)

CPC: B65D19/0093 B65D2519/00273 B65D2519/00701 B65D19/0095 B65D2519/00323 B65D2519/00333 B65D2519/00761 B65D2519/00034 B65D2519/00069 B65D2519/00293 B65D2519/00298 B65D2519/00572 B65D85/48

US: 108/54.1



Family:

Publication number	Publication date	Application number	Application date
CN104495010 A	20150408	CN201410614800	20141104
CN104495010 B	20160914	CN201410614800	20141104
US2016332773 AA	20161117	US20140426741	20141107
US9546020 BB	20170117	US20140426741	20141107
WO16070422 A1	20160512	WO2014CN090617	20141107

Priority:

CN201410614800 20141104 WO2014CN090617 20141107

Probable Assignee: SHENZHEN CHINA STAR OPTOELECT

Assignee(s): (std): SHENZHEN CHINA STAR OPTOELECT ; SHENZHEN CHINA STAR OPTOELECTRONICS TECH CO LTD ; SHENZHEN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO LTD

Assignee(s): SHENZHEN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO

Inventor(s): (std): HSIAO YUCHUN ; XIAO YUJUN ; SHI QINJUN

Agent(s): ANDREW C; MING AND YUE INTELLECTUAL PROPERTY LAW FIRM

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
CN104495010 A	20150408	LSPB	+	published / reissued	
CN104495010 A	20150408	LSPB	+C06	PUBLICATION	
CN104495010 A	20160914	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN104495010 B	20160914	LSGT	+	granted / extensions (spc, cpc, pte)	
US2016332773 AA	20161117	LSPB	+	published / reissued	
US9546020 BB	20170117	LSGT	+	granted / extensions (spc, cpc, pte)	
US9546020 BB	20161228	LSGT	PAT1	Patented Case	
WO16070422 A1	20160512	LSPB	+	published / reissued	
WO16070422 A1	20150307	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14426741 COUNTRY OF REF DOCUMENT : US

Title: CONSOLE ASSEMBLY

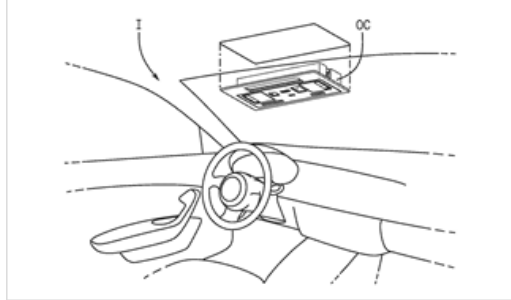
Abstract: Source: US2017072862A An assembly configured to be installed in a vehicle interior is disclosed. The assembly may comprise a base configured for attachment at the attachment point in the vehicle interior and a component coupled to the base configured for movement relative to the base from (a) a storage (or shipping) position wherein the attachment feature is accessible for attachment of the base to the vehicle interior to (b) an installed (or pivot) position wherein the component blocks the attachment feature. The component may comprise a set of members or tabs configured to move from a biased position to retain the component in the storage position to a deflected position to allow movement of the component from the storage position to the installed position. The member may comprise a recess and/or ribs configured to facilitate retention of the component in the storage position. The base may comprise a set of guides and a set of notches; the component may comprises a set of **protrusions** or pins configured so that the component may slide within guides as the component is moved between the storage position (e.g. in the recesses) and the installed position (e.g. in the notches). The base and the component may be shipped together and installed into the vehicle interior as a unit; the component may be movable from the storage/shipping position to the installed/pivot position after installation into the vehicle interior. The component may pivot or rotate relative to the base in use. The component may comprises a cover, a lens, a button, a door, a cover with lens, a lens assembly, a door on a **hinge**, a cover on a **hinge**, etc. A method of installing a console providing a base and a cover providing a lens to a vehicle interior is also disclosed.

Classifications:

International (IPC 8-9): B60Q3/02 B60Q3/53 B60R7/04
B62D65/14 (Advanced/Invention)

CPC: B62D65/14 B60R7/04 B60Q3/51

PatBase - US2017072862_AA

**Family:**

Publication number	Publication date	Application number	Application date
CN106660489 A	20170510	CN201580040454	20150602
EP3148846 A1	20170405	EP20150732095	20150602
US2017072862 AA	20170316	US20160363480	20161129
WO15187728 A1	20151210	WO2015US33829	20150602

Priority:

US20140006341P 20140602 US20160363480 20161129 WO2015US33829 20150602

Probable Assignee: SHANGHAI YANFENG JINQIAO AUTOMOTIVE TRIM SYSTEMS CO LTD

Assignee(s): (std): JOHNSON CONTROLS TECH CO ; SHANGHAI YANFENG JINQIAO AUTOMOTIVE TRIM SYSTEMS CO LTD

Assignee(s): JOHNSON CONTROLS TECHNOLOGY CO ; SHANGHAI YANFENG JINQIAO AUTOMOTIVE TRIM SYSTEMS CO

Inventor(s): (std): ARENSEN RANDY LEN ; ARENSEN RANDY

Agent(s): TRINKS OLE; AUSTIN CHRISTOPHER B

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

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Patent	Date recorded	Event group	Code	Event	Details
CN106660489 A	20170510	LSPB	+	published / reissued	
EP3148846 A1	20170405	LSPB	+	published / reissued	
EP3148846 A1	20170405	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20161216
US2017072862 AA	20170316	LSPB	+	published / reissued	
WO15187728 A1	20151210	LSPB	+	published / reissued	
WO15187728 A1	20161202	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: COLLAPSIBLE PALLET CONTAINER

Abstract: The invention relates to a collapsible superstructure (30), a frame system (20), a lid (40) and a load handling system in the form of a pallet (10) with other components thereon. The superstructure (30) comprises a downward-extending protrusion in the corner portions (33a-d) for forming a step which is arranged to interact with an edge of a downward-extending recess of the pallet (10) on which the superstructure (30) is intended to be placed. When the superstructure (30) is in a partly raised upright position on the pallet (10), each corner portion (33a-d) can be pushed outward so that the protrusion can drop down into each recess of the pallet (10). The collapsible sides (32a-b) comprise respective lower locking portions arranged to interact with a locking portion of the pallet (10) in such a way that, when the superstructure (30) is in a partly raised upright position on the pallet (10), the locking portion of the superstructure (30) can pass an edge of the locking portion of the pallet (10) in an outward movement (L) and thereby enable the superstructure (30) to place itself in a fully raised position.

Classifications:**International (IPC 8-9):** B65D19/06 B65D19/12

B65D19/18 (Advanced/Invention)

CPC: B65D19/06 B65D19/12 B65D19/18 B65D2519/00024

B65D2519/00029 B65D2519/00034 B65D2519/00059

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B65D2519/00174 B65D2519/00233 B65D2519/00273

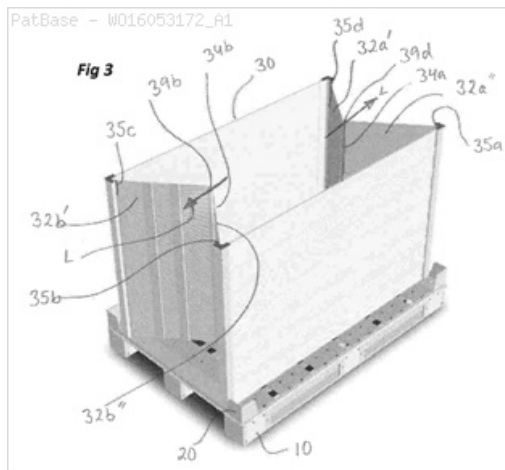
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B65D2519/00333 B65D2519/00422 B65D2519/00497

B65D2519/00502 B65D2519/00592 B65D2519/00606

B65D2519/00641 B65D2519/00676 B65D2519/00711

B65D2519/00915

**Family:**

Publication number	Publication date	Application number	Application date
WO16053172 A1	20160407	WO2015SE51027	20150929

Priority:

SE20140051156 20140930

Probable Assignee: CROSSBORDER TECHNOLOGIES AB**Assignee(s):** (std): CROSSBORDER TECHNOLOGIES AB**Inventor(s):** (std): LUNDIUS CHRISTER**Agent(s):** AWAPATENT AB

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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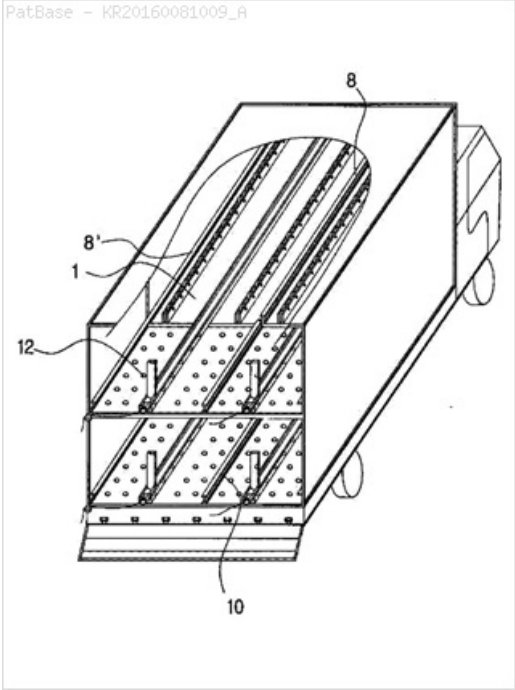
Patent	Date recorded	Event group	Code	Event	Details
WO16053172 A1	20160407	LSPB	+	published / reissued	
WO16053172 A1	20170330	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: APPARATUS AND METHOD FOR CARRIER USING OF CAR SEAT

Abstract: Source: KR20160081009A The present invention relates to a carriage loading device for a transportation cargo vehicle and a loading and unloading method using the same, capable of freely loading a special cargo such as a vehicle seat and the like in a horizontal direction or a vertical direction. A one-third part of the rear part of a cargo box in a cargo vehicle is formed in an extension line of a guide (5) and a roller (2) on a bottom of the cargo box, and comprises: a ball bearing (12) vertically or horizontally moving a carriage (pallet) (3); a separator (10) separating a horizontal line and a vertical line; a hinge (9) formed to a front of the separator (10); and a fixing unit (11) formed to fixate the separator (10) to the rear of the separator (10). A two-third part of the front part of the cargo box in the cargo vehicle comprises: a fixing protrusion (8') fixating the carriage (pallet) (3) between both ends of the cargo box and the line on the bottom, and extended to the rear end of the cargo box to prevent cargos from being shaken; a fixing protrusion (8) connected to the separator (10) between the lines; a roller (2) formed on both sides in a space with the size of the carriage (pallet) (3) in every line formed on the bottom of the cargo box; a horizontal bar (1) of unloading the carriage (pallet) (3); a guide (5) moving forwards and backwards as the horizontal bar (1) is guided; a string (6) connected to the horizontal bar (1); and a carriage (pallet) moving string roller (4) installed to easily operate the string (6).

Classifications:

International (IPC 8-9): B60P1/52 B62D33/04 (Advanced/Invention)
CPC: B60P1/52 B62D33/04



Family:

Publication number	Publication date	Application number	Application date
KR20160081009 A	20160708	KR20140194029	20141230

Priority:

KR20140194029 20141230

Probable Assignee:	HYUN JONG HEON
Assignee(s): (std):	HYUN JONG HEON
Assignee(s):	HYEONJONGHEON
Inventor(s): (std):	HYUN JONG HEON

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR20160081009 A	20160708	LSPB	+	published / reissued	