

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM720747

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
PNC Bank, National Association		03/31/2022	National Banking Association: UNITED STATES

**RECEIVING PARTY DATA**

<b>Name:</b>	Savant Systems, Inc.
<b>Street Address:</b>	45 Perseverance Way
<b>City:</b>	Hyannis
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02601
<b>Entity Type:</b>	Corporation: DELAWARE
<b>Name:</b>	Savant Technologies LLC
<b>Street Address:</b>	1975 Noble Road
<b>City:</b>	East Cleveland
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44112
<b>Entity Type:</b>	Limited Liability Company: DELAWARE
<b>Name:</b>	Racepoint Energy, LLC
<b>Street Address:</b>	1975 Noble Road
<b>City:</b>	East Cleveland
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44112
<b>Entity Type:</b>	Limited Liability Company: MASSACHUSETTS

**PROPERTY NUMBERS Total: 72**

Property Type	Number	Word Mark
<b>Registration Number:</b>	3442907	SAVANT
<b>Registration Number:</b>	3843210	SAVANT SYSTEMS
<b>Registration Number:</b>	4080076	NOW YOU CAN
<b>Registration Number:</b>	3966637	RACEPOINT BLUEPRINT
<b>Registration Number:</b>	3575383	SAVANT
<b>Registration Number:</b>	3883906	TRUEIMAGE CONTROL
<b>Registration Number:</b>	2423587	HOMETOUCH

Property Type	Number	Word Mark
Registration Number:	1137277	LITETOUCH
Registration Number:	1284101	LITETOUCH
Registration Number:	1102030	LITETOUCH
Registration Number:	2259427	
Registration Number:	5232897	SAVANT HOST
Registration Number:	4779343	A SINGLE APP HOME
Registration Number:	5015963	SAVANT
Registration Number:	5311896	DIRECT YOUR HOME FROM YOUR FAVORITE SEAT
Registration Number:	4198781	TOTAL INVOLVEMENT EXPERIENCE
Registration Number:	4060414	MUSICLITES
Registration Number:	3202769	CHRISTIE DESIGNS
Registration Number:	3863711	ARTISON
Registration Number:	4066725	MUSICLITES
Registration Number:	4964459	BACKPACK
Serial Number:	88611559	SAVANT HOME
Serial Number:	88611585	SAVANT HOME APP
Registration Number:	4868319	BRIGHT STIK
Serial Number:	88602571	C
Serial Number:	88420849	C-ING IS BELIEVING
Registration Number:	2907202	CLEAN, BEAUTIFUL LIGHT
Registration Number:	5757960	C-LIFE
Registration Number:	2730860	CONNECT 6
Registration Number:	5531253	C-REACH
Registration Number:	2907204	CREATIVE ACCENTS IN LIGHT
Registration Number:	2515264	CRYSTAL ELEGANCE
Registration Number:	5794822	C-SLEEP
Registration Number:	5759333	C-START
Registration Number:	3416658	ENERGY SMART
Registration Number:	1616606	HALARC
Registration Number:	5221723	HD LIGHT EXCEPTIONAL COLOR CONTRAST & BO
Registration Number:	5331060	HD LIGHT EXCEPTIONAL COLOR CONTRAST & BO
Registration Number:	5212629	HD+ LIGHT
Registration Number:	5331058	HD+ LIGHT
Registration Number:	2421750	HOLIDAY CLASSICS
Serial Number:	87716067	LIGHT THE WAY YOU LIVE
Registration Number:	1295951	MISER
Registration Number:	2934019	MOTIFS
Serial Number:	88624642	NATURAL BEST

Property Type	Number	Word Mark
Serial Number:	87776417	NIGHTHAWK
Registration Number:	3139814	NIGHTHAWK
Registration Number:	3773279	NIGHTHAWK PLATINUM
Registration Number:	2907205	QUALITY LIGHTING FOR EVERY NEED
Registration Number:	5192822	REFRESH
Registration Number:	2907203	REGULAR, EVERYDAY LIGHT
Registration Number:	5192823	RELAX
Registration Number:	2562526	REVEAL
Registration Number:	1245191	SAF-T-GARD
Registration Number:	2710170	SHOWBIZ
Registration Number:	2483536	SOFA CORD
Registration Number:	5499200	SOL
Registration Number:	2598711	SPIRAL
Registration Number:	4448789	STAYBRIGHT
Registration Number:	1474865	STRING-A-LONG
Registration Number:	3007336	ULTRA STAR
Serial Number:	88567067	RACEPOINT ENERGY
Serial Number:	87947704	RACEPOINT
Serial Number:	88078933	RETHINKING THE GRID
Registration Number:	5471536	NOON
Serial Number:	88880656	NOON HOME
Registration Number:	5471537	NOON
Serial Number:	88774729	SAVANT ENERGY
Serial Number:	88774751	SAVANT POWER
Serial Number:	88774741	SAVANT LIGHTING
Serial Number:	90541678	PEARL
Serial Number:	90541691	PEARL

**CORRESPONDENCE DATA**

Fax Number: 2162410816

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: 2166228200

Email: ipdocket@calfee.com

Correspondent Name: Calfee, Halter & Griswold LLP

Address Line 1: 1405 East Sixth Street

Address Line 2: The Calfee Building

Address Line 4: Cleveland, OHIO 44114-1607

ATTORNEY DOCKET NUMBER: 39647 04011

<b>NAME OF SUBMITTER:</b>	Ryan W. Falk
<b>SIGNATURE:</b>	/Ryan W. Falk/
<b>DATE SIGNED:</b>	04/12/2022

**Total Attachments: 230**

source=Payoff - Termination and Release of Intellectual Property Security Agreement (PNC-GE Lighting-Savant)#page1.tif  
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**TERMINATION AND RELEASE OF  
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

THIS TERMINATION AND RELEASE OF INTELLECTUAL PROPERTY SECURITY AGREEMENT (“Release”) is made as of this 31st day of March, 2022, by PNC BANK, NATIONAL ASSOCIATION, a national banking association, in its capacity as agent (“Agent”), in favor of SAVANT SYSTEMS, INC., a Delaware corporation, SAVANT TECHNOLOGIES LLC (f/k/a Consumer Lighting (U.S.) LLC), a Delaware limited liability company, and RACEPOINT ENERGY, LLC, a Massachusetts limited liability company (collectively, “Grantors”).

WHEREAS, Grantors entered into a certain Intellectual Property Security Agreement with Agent, dated June 30, 2020, notice of which was recorded with the United States Patent and Trademark Office (“USPTO”) on June 30, 2020 at reel/frame 6985/0211, on June 30, 2020 at reel/frame 053095/0001, and on July 7, 2020 at reel/frame 053134/0547, and which was supplemented by that certain First Amendment, Joinder and Supplement to Intellectual Property Security Agreement, dated August 31, 2021, notice of which was recorded with the USPTO on September 1, 2021 at reel/frame 7411/0162, and at reel/frame 057393/0882 (the “IP Security Agreement”). Capitalized terms used but not otherwise defined herein have the meanings given to them in the IP Security Agreement.

WHEREAS, Grantors granted to Agent, under the terms of the IP Security Agreement, a security interest in favor of Agent, in and to all of their right, title and interest in and to the IP Collateral, including without limitation the Trademarks listed in Schedule 1 (the “Trademarks”), the Patents listed in Schedule 2 (the “Patents”), and the Copyrights listed in Schedule 3 (the “Copyrights”, and together with the Trademarks and the Patents, collectively the “IP Collateral”).


WHEREAS, Agent has agreed to terminate and release its security interest in all such IP Collateral as herein provided.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and adequacy of which are hereby acknowledged, Agent hereby releases, terminates and discharges its security interest in the IP Collateral listed on the schedules attached hereto and made a part hereof, and assigns, transfers and conveys to Grantors any interest in such IP Collateral, including the security interest.

Signature Page Follows

IN WITNESS WHEREOF, Agent has caused this Release to be duly executed by its duly authorized officer as of the day and year first above written.

PNC BANK, NATIONAL ASSOCIATION,  
as Agent

By:   
Name: BRIAN KEWESHER  
Title: VICE PRESIDENT

**SCHEDULE 1**  
**Trademarks**

Mark	Client Code	Matter Code	Status	Appl./Serial No.	File Date	Reg. No.	Reg. Date	Country
SAVANT	104215	0007	REGISTERED	78/922,841	07/05/2006	3,442,907	06/03/2008	US
SAVANT	104215	0007AE	REGISTERED	175270	06/18/2012	175270	11/13/2013	AE
SAVANT	104215	0007AU	REGISTERED	1264780	09/29/2008	1264780	10/05/2010	AU
SAVANT	104215	0007CN	REGISTERED	7062074	11/17/2008	7062074	11/07/2010	CN
SAVANT	104215	0007EU	REGISTERED	7270275	09/29/2008	7270275	07/21/2009	EU
SAVANT	104215	0007IN	REGISTERED	1739274	09/30/2008	1739274	02/03/2011	IN
SAVANT	104215	0007KR	REGISTERED	40-2008-46712	09/29/2008	808459	12/09/2009	KR
SAVANT	104215	0007RU	REGISTERED	2008731306	09/30/2008	391057	10/08/2009	RU
SAVANT	104215	0007SG	REGISTERED	T0813404C	09/29/2008	T0813404C	09/29/2008	SG
SAVANT SYSTEMS	104215	0008	REGISTERED	78/922,842	07/05/2006	3,843,210	08/31/2010	US
NOW YOU CAN	104215	0009A	REGISTERED	85/329,623	05/25/2011	4,080,076	01/03/2012	US
NOW YOU CAN	104215	0009AU	REGISTERED	1460620	11/21/2011	1460620	03/16/2012	AU
NOW YOU CAN	104215	0009BR	REGISTERED	831266198	11/21/2011	831266198	01/27/2015	BR
NOW YOU CAN	104215	0009CA	REGISTERED	1553176	11/22/2011	TMA903637	05/14/2015	CA
NOW YOU CAN	104215	0009CN	REGISTERED	10227908	11/24/2011	10227908	01/28/2013	CN
NOW YOU CAN	104215	0009EG	REGISTERED	267558	11/22/2011	267558	10/03/2013	EG
NOW YOU CAN	104215	0009EU	REGISTERED	10430759	11/21/2011	10430759	04/25/2012	EU
NOW YOU CAN	104215	0009IL	REGISTERED	242,235	11/20/2011	242,235	11/05/2013	IL
NOW YOU CAN	104215	0009IN	REGISTERED	2237277	11/21/2011	2237277	07/13/2016	IN
NOW YOU CAN	104215	0009JP	REGISTERED	2011-083669	11/21/2011	5488617	04/20/2012	JP
NOW YOU CAN	104215	0009MX	REGISTERED	1229729	11/23/2011	1282588	04/27/2012	MX
RACEPOINT BLUEPRINT	104215	0024C1	REGISTERED	77/422,176	03/14/2008	3,966,637	05/24/2011	US
ROSE	104215	0042BR	REGISTERED	830110658	11/14/2008	830110658	02/22/2012	BR

ROSIE	104215	0042CA	REGISTERED	1418181	11/13/2008	TMA766646	05/12/2010	CA
ROSIE	104215	0042CN	REGISTERED	7056784	11/14/2008	7056784	11/07/2010	CN
ROSIE	104215	0042KR	REGISTERED	40-2008-53294	11/13/2008	40-0826155	06/11/2010	KR
SAVANT	104215	0043	REGISTERED	77/475,301	05/15/2008	3,575,383	02/17/2009	US
SAVANT	104215	0043AU	REGISTERED	1272679	11/14/2008	1272679	10/11/2010	AU
SAVANT	104215	0043BR	REGISTERED	830110666	11/14/2008	830110666	07/03/2012	BR
SAVANT	104215	0043CA	REGISTERED	1418180	11/13/2008	TMA764094	04/13/2010	CA
SAVANT	104215	0043CN	REGISTERED	7056783	11/14/2008	7056783	05/21/2012	CN
SAVANT	104215	0043EG	REGISTERED	224879	12/14/2008	224879	04/14/2011	EG
SAVANT	104215	0043EU	REGISTERED	7388771	11/13/2008	7388771	10/07/2009	EU
SAVANT	104215	0043IL	REGISTERED	216494	11/13/2008	216494	06/03/2010	IL
SAVANT	104215	0043IN	REGISTERED	1753789	11/14/2008	1753789	01/06/2011	IN
SAVANT	104215	0043JP	REGISTERED	2008-92762	11/14/2008	5294366	01/15/2010	JP
SAVANT	104215	0043KR	REGISTERED	41-2008-29436	01/30/2009	41-0196382	04/23/2010	KR
SAVANT	104215	0043MX	REGISTERED	974386	11/14/2008	1109607	07/09/2009	MX
SAVANT	104215	0043RU	REGISTERED	2008735699	11/13/2008	420595	10/15/2010	RU
SAVANT	104215	0043SG	REGISTERED	T08157151	11/13/2008	T08157151	05/10/2009	SG
TRUEIMAGE CONTROL	104215	0049	REGISTERED	77/800,766	08/10/2009	3,883,906	11/30/2010	US
TRUEIMAGE CONTROL	104215	0049BR	REGISTERED	830528610	02/10/2010	830528610	10/14/2014	BR
TRUEIMAGE CONTROL	104215	0049CA	REGISTERED	1,468,347	02/04/2010	TMA842,825	02/08/2013	CA
TRUEIMAGE CONTROL	104215	0049EG	REGISTERED	241508	02/08/2010	241508	06/26/2011	EG
TRUEIMAGE CONTROL	104215	0049EU	REGISTERED	8867863	02/09/2010	8867863	11/25/2011	EU
TRUEIMAGE CONTROL	104215	0049RU	REGISTERED	2010703556	02/09/2010	437807	05/24/2011	RU
TRUEIMAGE CONTROL	104215	0049SG	REGISTERED	T10/01651F	02/10/2010	T1001651F	09/24/2010	SG
TRUECOMMAND	104215	0074AU	REGISTERED	1437708	07/20/2011	1437708	07/20/2011	AU

TRUCCOMMAND	104215	0074BR	REGISTERED	831172789	07/20/2011	831172789	12/23/2014	BR
TRUCCOMMAND	104215	0074CA	REGISTERED	1,537,037	07/25/2011	TMA829,787	08/10/2012	CA
TRUCCOMMAND	104215	0074CN	REGISTERED	9765438	07/26/2011	9765438	09/21/2012	CN
TRUCCOMMAND	104215	0074EG	REGISTERED	263120	07/25/2011	263120	04/22/2015	EG
TRUCCOMMAND	104215	0074EU	REGISTERED	10136943	07/20/2011	10136943	12/22/2011	EU
TRUCCOMMAND	104215	0074IL	REGISTERED	239,298	07/20/2011	239,298	02/05/2013	IL
TRUCCOMMAND	104215	0074IN	REGISTERED	2180540	07/25/2011	2180540	07/04/2016	IN
TRUCCOMMAND	104215	0074JP	REGISTERED	2011-051459	07/21/2011	5450643	11/11/2011	JP
TRUCCOMMAND	104215	0074KR	REGISTERED	40-2011-39569	07/21/2011	40-0942364	11/27/2012	KR
TRUCCOMMAND	104215	0074MX	REGISTERED	1196708	07/21/2011	1257749	12/12/2011	MX
TRUCCOMMAND	104215	0074RU	REGISTERED	2011723743	07/25/2011	460432	04/24/2012	RU
TRUCCOMMAND	104215	0074SG	REGISTERED	T11100661	07/22/2011	T11100661	06/04/2015	SG
TRUCCONTR	104215	0078AU	REGISTERED	1438171	07/21/2011	1438171	07/21/2011	AU
TRUCCONTR	104215	0078BR	REGISTERED	831172797	07/20/2011	831172797	12/23/2014	BR
TRUCCONTR	104215	0078CA	REGISTERED	1,537,042	07/25/2011	TMA829,783	08/10/2012	CA
TRUCCONTR	104215	0078EG	REGISTERED	263121	07/25/2011	263121	04/22/2015	EG
TRUCCONTR	104215	0078IL	REGISTERED	239,299	07/20/2011	239,299	02/05/2013	IL
TRUCCONTR	104215	0078IN	REGISTERED	2180539	07/25/2011	2180539	07/04/2016	IN
TRUCCONTR	104215	0078KR	REGISTERED	40-2011-39570	07/21/2011	40-0942365	11/27/2012	KR
TRUCCONTR	104215	0078MX	REGISTERED	1196705	07/21/2011	1295294	07/09/2012	MX
TRUCCONTR	104215	0078RU	REGISTERED	2011723890	07/26/2011	471224	09/21/2012	RU
TRUCCONTR	104215	0078SG	REGISTERED	T11100651	07/22/2011	T11100651	12/08/2011	SG
SAVANT NOW YOU CAN & Des.	104215	0092CN	REGISTERED	11574766	10/08/2012	11574766	04/14/2014	CN
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HOMETOUCH	104215	0097	REGISTERED	75/085,004	04/08/1996	2,423,587	01/23/2001	US
LITETOUCH	104215	0098	REGISTERED	73/207,748	03/19/1979	1,137,277	06/24/1980	US
LITETOUCH	104215	0099	REGISTERED	73/390,387	09/27/1982	1,284,101	07/03/1984	US
LITETOUCH & Des.	104215	0100	REGISTERED	73/152,193	12/15/1977	1,102,030	09/12/1978	US
LiteTouch & Des.	104215	0101	REGISTERED	75/486,386	05/18/1998	2,259,427	07/06/1999	US

SAVANTHOME	104215	0119AE	REGISTERED	219087		10/07/2014	219087		10/14/2015	AE
SAVANTHOME	104215	0119CN	REGISTERED	15461482		10/08/2014	15461482		06/28/2017	CN
SAVANTHOME	104215	0119EU	REGISTERED	13312376		10/01/2014	13312376		02/24/2015	EU
SAVANTHOME	104215	0119IN	REGISTERED	2819984		09/30/2014	2819984		10/05/2017	IN
SAVANTHOME	104215	0119JP	REGISTERED	2014-084,286		10/07/2014	5733637		01/16/2015	JP
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SAVANTHOME	104215	0119RU	REGISTERED	2014733076		09/30/2014	586668		09/12/2016	RU
SAVANTHOME	104215	0119SG	REGISTERED	T1415673H		10/01/2014	T1415673H		07/15/2016	SG
SAVANT HOST	104215	0120	REGISTERED	86/245,852		04/08/2014	5,232,897		06/27/2017	US
SMART SERIES	104215	0121AE	REGISTERED	219088		10/07/2014	219088		10/14/2015	AE
SMART SERIES	104215	0121JP	REGISTERED	2014-084,287		10/07/2014	5733638		01/16/2015	JP
SMART HOST	104215	0124AE	REGISTERED	219090		10/07/2014	219090		03/10/2016	AE
SMART HOST	104215	0124CN	REGISTERED	15461484		10/08/2014	15461484		11/21/2015	CN
SMART HOST	104215	0124JP	REGISTERED	2014-084,289		10/07/2014	5767028		05/29/2015	JP
SMART HOST	104215	0124RU	REGISTERED	2014733078		09/30/2014	565844		02/26/2016	RU
A SINGLE APP HOME	104215	0134	REGISTERED	86/547,209		02/26/2015	4,779,343		07/21/2015	US
SAVANT & Des.	104215	0138	REGISTERED	86/696,769		07/17/2015	5,015,963		08/09/2016	US
SAVANT & Des.	104215	0138AEA	REGISTERED	246966		01/17/2016	246966		09/27/2016	AE
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SAVANT & Des.	104215	0138CNA	REGISTERED	18910054		01/18/2016	18910054		04/07/2017	CN
SAVANT & Des.	104215	0138CNB	REGISTERED	18910053		01/18/2016	18910053		02/21/2017	CN
SAVANT & Des.	104215	0138IN	REGISTERED	3161253		01/16/2016	3161253		06/13/2019	IN
SAVANT & Des.	104215	0138JP	REGISTERED	2016-005,211		01/19/2016	5980584		09/15/2017	JP
SAVANT & Des.	104215	0138KR	REGISTERED	45-2016-000479		01/18/2016	45-0070337		12/21/2016	KR
SAVANT & Des.	104215	0138SG	REGISTERED	40201601045X		01/18/2016	40201601045X		01/18/2016	SG
DIRECT YOUR HOME FROM YOUR FAVORITE SEAT	104215	0139	REGISTERED	86/696,779		07/17/2015	5,311,896		10/17/2017	US
TOTAL	104215	0167	REGISTERED	77/615,963		11/17/2008	4,198,781		08/28/2012	US

INVOLVEMENT EXPERIENCE																				
MUSICLITES	104215	0168	REGISTERED	77/695,460	03/20/2009	4,060,414		11/22/2011	US											
CHRISTIE	104215	0169	REGISTERED	78/593,766	03/23/2005	3,202,769		01/23/2007	US											
DESIGNS & Des.																				
ARTISON & Des.	104215	0170	REGISTERED	77/955,613	03/10/2010	3,863,711		10/19/2010	US											
ARTISON & Des.	104215	0170EU	REGISTERED	009380692	09/16/2010	009380692		03/01/2011	EU											
MUSICLITES & Des.	104215	0171	REGISTERED	85/300,900	04/21/2011	4,066,725		12/06/2011	US											
BACKPACK	104215	0190	REGISTERED	86/781,227	10/07/2015	4,964,459		05/24/2016	US											
SAVANT HOME	104215	0198	ALLOWED	88/611,559	09/10/2019				US											
SAVANT HOME	104215	0198AE1	ALLOWED	327116	03/09/2020				AE											
SAVANT HOME	104215	0198AE2	ALLOWED	327117	03/09/2020				AE											
SAVANT HOME	104215	0198AU	PUBLISHED	2073892	03/05/2020				AU											
SAVANT HOME	104215	0198CN1	PENDING		03/06/2020				CN											
SAVANT HOME	104215	0198CN2	PENDING	44398064	03/06/2020				CN											
SAVANT HOME	104215	0198EU	PUBLISHED	018205765	03/06/2020				EU											
SAVANT HOME	104215	0198IN	PENDING	4467314	03/09/2020				IN											
SAVANT HOME	104215	0198JP	PENDING	2020-025099	03/09/2020				JP											
SAVANT HOME	104215	0198KR	PENDING	40-2020-37946	03/06/2020				KR											
SAVANT HOME	104215	0198MX1	PENDING	2341369	03/06/2020				MX											
SAVANT HOME	104215	0198MX2	PENDING	2341370	03/06/2020				MX											
SAVANT HOME	104215	0198SG	PENDING	40202005197Y	03/09/2020				SG											
SAVANT HOME App	104215	0199	ALLOWED	88/611,585	09/10/2019				US											
SAVANT HOME App	104215	0199AE1	ALLOWED	327118	03/09/2020				AE											
SAVANT HOME App	104215	0199AE2	ALLOWED	327120	03/09/2020				AE											
SAVANT HOME App	104215	0199AU	PUBLISHED	2073891	03/05/2020				AU											
SAVANT HOME	104215	0199CN1	PENDING		03/06/2020				CN											





Canada Classes	2D	11-Jan-96	15-Sep-97	Registered	801537	482527
Czech Republic Classes	2D	18-Mar-99	20-Nov-00	Registered	141024	228175
Denmark Classes	2D	18-Jun-96	13-Dec-96	Registered	VA199603625	VR199606871
Finland Classes	2D	18-Mar-99	15-Feb-00	Registered	T199900933	216750
France Classes	2D	5-Feb-96	5-Feb-96	Registered	96609172	96609172
Germany Classes	2D	1-Feb-96	22-May-96	Registered	396045758	39604575
Hungary Classes	2D	22-Mar-99	3-Jul-00	Registered	M9901369	161112
India Classes	2D	20-Sep-95	20-Sep-95	Registered	680934	680934
Ireland Classes	2D	19-Mar-99	19-Mar-99	Registered	216466	216466
Italy	2D	17-May-96	10-Sep-08	Registered	MI1996C004745	1139098

Classes							
11							
11							
Kosovo	2D	26-Sep-08	6-Jun-11	Registered	2686		39062011
Classes							
11							
Latvia	2D	18-Mar-99	20-Apr-00	Registered	M99511		M45931
Classes							
11							
Lithuania	2D	22-Mar-99	17-Oct-00	Registered	990586		40465
Classes							
11							
Montenegro	2D	24-Mar-99	2-Apr-03	Registered	Z23999		635
Classes							
11							
Poland	2D	24-Mar-99	20-Jun-02	Registered	199598		138269
Classes							
11							
Portugal	2D	18-Mar-99	12-Oct-99	Registered	335961		335961
Classes							
11							
Serbia	2D	24-Mar-99	2-Apr-03	Registered	Z23999		45577
Classes							
11							
Slovenia	2D	24-Mar-99	27-Sep-99	Registered	Z9970395		9970395
Classes							
11							
South							
Africa	2D	18-Mar-99	18-Mar-99	Registered	9904373		9904373
Classes							
11							

Spain Classes 11	2D	27-Sep-95	5-Mar-96	Registered	1987321	1987321
Switzerland Classes 11	2D	18-Mar-99	16-Sep-99	Registered	02418/1999	P-465078
Turkey Classes 11	2D	23-Mar-99	21-Feb-00	Registered	99003156	207230
Ukraine Classes 11	2D	24-Mar-99	15-Apr-02	Registered	9930966	24474
Canada Classes	A SMART WAY TO SAVE ENERGY	17-Oct-06	15-Apr-09	Registered	1320427	TMA738070
India Classes 11	ACCENT	5-Jul-94	5-Jul-94	Registered	633009	633009
EUTM Classes 9	ALUTEC	4-Dec-13	28-Apr-14	Registered	12393682	12393682
Canada Classes	BOULES DE CRISTAL	7-Feb-91	27-Mar-92	Registered	675191	TMA396386
Canada	BRIGHT FROM THE START	7-Dec-10	23-May-13	Registered	1506327	TMA851489

Classes							
Argentina Classes	BRIGHT STIK	4-May-16	24-Jan-17	Registered	3501951		2866943
11							
11							
Canada Classes	BRIGHT STIK	12-Feb-82	8-Oct-82	Registered	482301		TMA272544
Canada Classes	BRIGHT STIK	10-Jul-15		Registered	1736770		
0							
Chile Classes	BRIGHT STIK	5-May-16	24-Oct-16	Registered	1202940		1225160
11							
11							
Colombia Classes	BRIGHT STIK	4-May-16	8-Nov-16	Registered	116475		542679
11							
Korea - Republic of (South) Classes	BRIGHT STIK	26-Feb-90	30-Jul-91	Registered	4.0199E+12		217715
11							
Mexico Classes	BRIGHT STIK	6-May-16	26-Aug-16	Registered	1744488		1669036
11							
11							
Peru Classes	BRIGHT STIK	4-May-16	22-Jul-16	Registered	6605102016		239656
11							

United States of America Classes 9	BRIGHT STIK	23-Jan-15	8-Dec-15	Registered	86512021	4868319
Uruguay Classes 11	BRIGHT STIK	5-May-16	3-Aug-18	Registered	473880	473880
India Classes 11	BRITESTICK	5-Jul-94	5-Jul-94	Registered	633021	633021
Australia Classes 11	BUG LITE	24-Aug-95	24-Aug-95	Registered	670695	670695
India Classes 11	BUG LITE	5-Jul-94	5-Jul-94	Registered	633010	633010
Canada Classes 9	C LOGO	31-Mar-20		Pending	2020283	
United States of America Classes 9	C LOGO	3-Sep-19		Pending	88602571	
Canada Classes	CANDY CANE	13-Dec-90	15-May-92	Registered	672560	TMA398295
Canada	C-ING IS BELIEVING	9-May-19		Pending	1961994	

Classes 9							
11	United States of America	C-JING IS BELIEVING	8-May-19		Pending	88420849	
9	United States of America						
11	Republic of Korea -						
11	Republic of Korea -						
11	Republic of Korea -						
11	Republic of Korea -						
11	Republic of Korea -						
11	Republic of Korea -						
11	Republic of Korea -						
11	United States of America	CLEAN, BEAUTIFUL LIGHT	29-Oct-02	30-Nov-04	Registered	78179414	2907202
11	United States of America						
11	United States of America	C-LIFE	16-Dec-15	21-May-19	Registered	86850655	5757960
11	United States of America						
11	United States of America	CONNECT 6	6-Mar-00	24-Jun-03	Registered	75936369	2730860

Classes 11	C-REACH	6-Jul-17	16-Dec-19	Registered	1846131	TMA1066415
Canada Classes 9						
United States of America Classes 9	C-REACH	19-Apr-17	31-Jul-18	Registered	87416908	5,531,253
United States of America Classes 11	CREATIVE ACCENTS IN LIGHT	29-Oct-02	30-Nov-04	Registered	78179447	2907204
Canada Classes	CRYSTAL CLEAR	14-Sep-89	11-Jan-91	Registered	640477	TMA378135
United States of America Classes 11	CRYSTAL ELEGANCE	9-Apr-01	4-Dec-01	Registered	76237389	2515264
United States of America Classes 11	C-SLEEP	16-Dec-15	2-Jul-19	Registered	86850663	5794822
Canada Classes 9	C-START	13-Jul-18		Pending	1909396	



United States of America Classes 9	C-START	13-Jul-18	21-May-19	Registered	88036422	5759333
Indonesia Classes 11	DOP (STYLISED)	9-Mar-04	14-Sep-05	Registered	D0020040592705976	IDM000051061
Taiwan Classes 11	ECONOMIZER	20-Nov-00	1-Jan-02	Registered	89066996	979254
Chile Classes 11	EDISON	7-Apr-55	27-May-05	Registered	688514	736084
China Classes 11	EDISON	7-Sep-84	30-Jun-85	Registered	229519	229519
Colombia Classes 11	EDISON	10-Jul-02	28-Apr-03	Registered	59538	266644
Dominican Republic Classes 9	EDISON	19-Dec-86	25-Feb-87	Registered		42115
Ecuador Classes 11	EDISON	3-Oct-02	23-Apr-03	Registered	125142	21652
Guatemala	EDISON	29-Sep-86	18-Aug-87	Registered		53206

Classes 11								
Hong Kong Classes	EDISON	21-Mar-94	21-Mar-94	Registered	199604093		199604093	
11								
Peru Classes	EDISON	27-Jun-02	30-Sep-02	Registered	499092		83520	
11								
Turkey Classes	EDISON	11-Oct-51	31-Dec-96	Registered	86093463		93463	
11								
Venezuela Classes	EDISON	27-Jun-02	4-Nov-03	Registered	97252002		P248195	
11								
China Classes	EDISON (IN CHINESE CHARACTERS)	5-Jul-00	14-Sep-01	Registered	2000097591		1634108	
11								
Australia Classes	ELEGANCE SOFT	5-Aug-94	5-Aug-94	Registered	637080		637080	
11								
Canada Classes	ÉLUSION	16-Jan-04	18-Jan-07	Registered	1203553		TMA679705	
Canada Classes	ENERGIE CHOIX	18-Apr-91	8-Jan-93	Registered	680346		406812	
Canada	ENERGY	7-Feb-91	9-Sep-94	Registered	675178		TMA432941	

Classes	CHOICE						
Canada Classes	ENERGY CHOICE	11-Apr-91	8-Jul-94	Registered	679974	TMA430114	
Anguilla Classes	ENERGY SMART	22-Sep-09	22-Sep-09	Registered	4790	4790	
Barbados Classes	ENERGY SMART	30-Sep-09	1-Apr-14	Registered	8126225	8126225	
Bermuda Classes	ENERGY SMART	3-Sep-09	3-Sep-09	Registered	49268	49268	
Brazil Classes	ENERGY SMART	3-Jun-09	13-Mar-12	Registered	830304274	830304274	
Canada Classes	ENERGY SMART	17-Oct-06	30-Nov-09	Registered	1320428	TMA754226	
Chile Classes	ENERGY SMART	28-Aug-09	26-Oct-13	Registered	875938	1049493	
		9					
		11					

Colombia Classes 11	ENERGY SMART	21-Aug-09	8-Mar-10	Registered	88145	398787
Costa Rica Classes 11	ENERGY SMART	18-Sep-09	7-Jan-10	Registered	20098158	197828
Dominican Republic Classes 11	ENERGY SMART	18-Sep-09	30-Dec-09	Registered	200922411	177682
Ecuador Classes 11	ENERGY SMART	14-Sep-09	6-Apr-10	Registered	219228	149310
Guatemala Classes 11	ENERGY SMART	7-Oct-09	12-Feb-10	Registered	M0067822009	168010
Honduras Classes 11	ENERGY SMART	30-Sep-09	10-Feb-10	Registered	2842309	111538
Hong Kong Classes 11	ENERGY SMART	4-Jun-09	4-Jun-09	Registered	301356237	301356237
India Classes 11	ENERGY SMART	15-Jul-09	15-Jul-09	Registered	1839807	1839807

Jamaica Classes 11	ENERGY SMART	3-Sep-09	3-Sep-09	Registered	54414	54414
Japan Classes 9	ENERGY SMART	27-Aug-09	29-Jan-10	Registered	2009-065619	5297126
Peru Classes 11	ENERGY SMART	25-Aug-09	17-Nov-09	Registered	397414	158824
Singapore Classes 11	ENERGY SMART	3-Jun-09	3-Jun-09	Registered	T0906071Z	T0906071Z
United States of America Classes 11	ENERGY SMART	16-Oct-06	29-Apr-08	Registered	77021921	3416658
Venezuela Classes 11	ENERGY SMART	28-Mar-12		Pending	60892012	
China Classes 11	EPACT	8-Aug-06	21-Jul-09	Registered	5529536	5529536
China Classes 11	E-PACT	11-Jun-07	14-Feb-10	Registered	6097180	6097180

11							
Australia Classes 11	EXCITE	8-Aug-06	8-Aug-06	Registered	1128585		1128585
Canada Classes	FLAIR	20-Dec-68	20-Dec-68	Registered	310912		TMA160147
Korea - Republic of (South) Classes 11	HALARC	26-Feb-90	30-Jul-91	Registered	4.0199E+12		217712
United States of America Classes 11	HALARC	2-Jan-90	9-Oct-90	Registered	74016638		1616606
	HD LIGHT EXCEPTIONAL COLOR CONTRAST & BOLDNESS (STYLISED) & DESIGN	8-Mar-17	19-Dec-19	Registered	1826313		1066817
Canada Classes 11	HD LIGHT EXCEPTIONAL COLOR CONTRAST & BOLDNESS (STYLISED) &	13-Sep-16	13-Jun-17	Registered	87169718		5221723
United States of America							

DESIGN

Classes 11	HD LIGHT EXCEPTIONAL COLOR CONTRAST & BOLDNESS (STYLISED) & DESIGN	19-Sep-16	7-Nov-17	Registered	87175091	5,331,060
United States of America Classes 11	HD+ LIGHT (STYLISED) & DESIGN	13-Sep-16	30-May-17	Registered	87169912	5212629
United States of America Classes 11	HD+ LIGHT (STYLISED) & DESIGN	19-Sep-16	7-Nov-17	Registered	87175074	5331058
Canada Classes 11	HD+ LIGHT (STYLISED) & DESIGN	8-Mar-17	19-Dec-19	Registered	1826312	TMA1066855

EUTM Classes 11	HEAVY STAR	10-Aug-10	24-Jan-11	Registered	9305971	9305971
United States of America Classes 11	HOLIDAY CLASSICS	24-Feb-98	16-Jan-01	Registered	75439407	2421750
New Zealand Classes 11	HOME SENTRY	25-Jul-79	26-Jul-82	Registered	128954	128954
Italy Classes 11	ILESA	28-Feb-61	7-Feb-11	Registered	M11961C001404	1416615
EUTM Classes 11	KROKO	6-Oct-00	24-Jan-02	Registered	1891050	1891050
Portugal Classes 11	KRYPTON	5-Sep-94	3-Aug-95	Registered	303159	303159
EUTM Classes 11	KRYSTAL	6-Oct-00	25-Feb-02	Registered	1890573	1890573
Canada Classes 11	LIGHT THE WAY YOU LIVE	11-Dec-17		Pending	1872337	
United States of	LIGHT THE WAY YOU	11-Dec-17		Pending	87716067	



America Classes 9 11	LIVE							
Canada Classes	MAXI-MISER	3-Apr-87	15-Apr-18	Registered	581403	TMAA339217		
Canada Classes	MISER	26-Jul-90	26-Aug-94	Registered	663216	TMAA432130		
United States of America Classes 11	MISER	13-Dec-82	18-Sep-84	Registered	73405968	1295951		
United States of America Classes 11	MOTIFS	30-Dec-02	15-Mar-05	Registered	78198649	2934019		
Australia Classes 11	MULTI- MIRROR	28-Sep-82	28-Sep-82	Registered	381671	381671		
Benelux Classes 11	MULTI- MIRROR	24-Aug-82	18-Feb-83	Registered	652167	383280		
France Classes	MULTI- MIRROR	24-Aug-82	24-Aug-82	Registered	1211789	1211789		

11								
11								
Korea -								
Republic of	MULTI-							217711
(South)	MIRROR	26-Feb-90	30-Jul-91	Registered	4.0199E+12			
Classes								
11								
United								
States of	NATURAL							
America	BEST	20-Sep-19		Pending	88624642			
Classes								
11								
Canada								
Classes	NIGHTHAWK	18-Nov-03	16-Nov-06	Registered	1196758			TMA677070
11								
Canada								
Classes	NIGHTHAWK	7-Feb-18	15-Nov-19	Registered	1881835			TMA106331
11								
United								
States of								
America	NIGHTHAWK	30-Jan-18	10-Dec-19	Registered	87776417			
Classes								
11								
United								
States of								
America	NIGHTHAWK	18-Nov-03	5-Sep-06	Registered	78329357			3139814
Classes								
11								
Canada								
Classes	NIGHTHAWK							
	PLATINUM	14-Apr-09	25-Mar-10	Registered	1434361			TMA762650

United States of America Classes 11	NIGHTHAWK PLATINUM	2-Apr-09	6-Apr-10	Registered	77705078	3773279
India Classes 11	POW-IR-FILM	5-May-93	5-May-93	Registered	596323	596323
United States of America Classes 11	QUALITY LIGHTING FOR EVERY NEED	29-Oct-02	30-Nov-04	Registered	78179459	2907205
Canada Classes 11	REFRESH	4-May-16		Pending	1780777	
United States of America Classes 11	REFRESH	22-Apr-16	25-Apr-17	Registered	87010959	5192822
United States of America Classes 11	REGULAR, EVERYDAY LIGHT	29-Oct-02	30-Nov-04	Registered	78179434	2907203
Canada Classes 11	RELAX	4-May-16	30-Apr-19	Registered	1780779	1020331
United States of America Classes 11	RELAX	22-Apr-16	25-Apr-17	Registered	87010968	5192823

America Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934	1284934
Australia Classes 11	REVEAL	21-Jun-01	12-Dec-06	Registered	824040082	824040082
Brazil Classes 11	REVEAL	19-Jun-01	27-May-04	Registered	1106144	TMA611269
Canada Classes	REVEAL	21-Dec-11	23-Jan-12	Registered	984620	950651
Chile Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934	1284934
China Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934	1284934
Colombia Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934	1284934
EUTM Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934	1284934
Japan Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934	1284934
Korea - Republic of (South)	REVEAL	17-Dec-15	12-Sep-16	Registered	1284934	1284934

Classes 11								
Mexico Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934		1284934	
New Zealand Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934		1284934	
Peru Classes 11	REVEAL	20-Jun-01	21-Sep-01	Registered	467763		75070	
Russian Federation Classes 11	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934		1284934	
Taiwan Classes 11	REVEAL	20-Mar-06	1-Nov-06	Registered	95013472		1234304	
11								
11								
Thailand Classes 11	REVEAL	27-Jan-06	27-Jan-06	Registered	616308		TM260303	
11								
11								
United States of America Classes 11	REVEAL	17-Oct-00	16-Apr-02	Registered	76148062		2562526	
Venezuela Classes 11	REVEAL	15-Jun-01	11-Nov-02	Registered	1044201		P240946	

11								
WIPO Classes	REVEAL	17-Dec-15	17-Dec-15	Registered	1284934		1284934	
11								
Korea - Republic of	REVEAL (KOREAN CHARACTERS)	16-Jan-06	29-Nov-06	Registered	4020062323		687583	
Classes								
11								
Korea - Republic of								
(South)	RUFF-N-TUFF	26-Feb-90	30-Jul-91	Registered	4.0199E+12		217710	
Classes								
11								
United States of America	SAF-T-GARD	21-Jul-82	12-Jul-83	Registered	73375896		1245191	
Classes								
11								
EUTM	SHOWBIZ	24-Oct-01	28-May-03	Registered	2423382		2423382	
Classes								
11								
United States of America	SHOWBIZ	27-Sep-01	22-Apr-03	Registered	78085825		2710170	
Classes								
11								
United States of America	SOFA CORD	8-Nov-99	28-Aug-01	Registered	75843135		2483536	
Classes								
9								

India Classes 11	SOFT WHITE	5-Jul-94	5-Jul-94	Registered	633018	633018
United Kingdom Classes 11	SOFTGLOW	13-Jan-88	13-Jan-88	Registered	1331798	1331798
Canada Classes 11	SOL	31-May-17	16-Dec-19	Registered	1840085	1066408
United States of America Classes 11	SOL	15-May-17	19-Jun-18	Registered	87449984	5499200
United States of America Classes 11	SPIRAL	3-Feb-00	23-Jul-02	Registered	75909482	2598711
Canada Classes	STAYBRIGHT	14-Aug-12	2-Dec-14	Registered	1590108	TMA891476
Canada Classes	STAYBRIGHT	2-Jun-70	4-Jun-71	Registered	333544	TMA176638
United States of America Classes 11	STAYBRIGHT	23-Aug-12	10-Dec-13	Registered	85710923	4448789

Canada Classes	STRING-A- LONG	23-Nov-89	10-Jan-92	Registered	647058	TMA392573
United States of America Classes	STRING-A- LONG	25-Jun-87	2-Feb-88	Registered	73668899	1474865
Spain Classes	SUPER K	19-Sep-94	6-Nov-95	Registered	1921853	1921853
India Classes	SURVIVOR	5-Jul-94	5-Jul-94	Registered	633019	633019
Australia Classes	TRL-TECH	13-Apr-04	13-Apr-04	Registered	997700	997700
United Kingdom Classes	TRITON	27-Aug-88	27-Aug-95	Registered	1356319	1356319
China Classes	TRUE AND PERFECT COLOR (CHINESE CHARACTERS)	10-Jun-14	21-Jul-15	Registered	14596882	14596882
Canada Classes	ULTRA STAR	14-Apr-04	20-Mar-07	Registered	1213245	TMA684111



China Classes 11	ULTRA STAR	14-Apr-04	21-May-06	Registered	4016074	4016074
EUTM Classes 11	ULTRA STAR	14-Apr-04	8-Aug-05	Registered	3768546	3768546
United States of America Classes 11	ULTRA STAR	23-Jan-04	18-Oct-05	Registered	78356632	3007336
Hong Kong Classes 11	ULTRALUX	8-Sep-94	8-Sep-94	Registered	1996B10570	1996B10570
Indonesia Classes 11	ULTRASOFT	30-Jul-04	22-Sep-04	Registered	R002004003515	IDM000016570
Taiwan Classes 11	ULTRASOFT	14-Nov-94	16-Sep-95	Registered	83069162	690767

Mark	Client Code	Matter Code	Status	Appl./Serial No.	File Date	Reg. No.
RACEPOINT ENERGY	104271	0001	ABANDONED	86/627,067	05/12/2015	
RACEPOINT ENERGY	104271	0001A	ALLOWED	88/567,067	08/05/2019	
RACEPOINT ENERGY	104271	0001EU	REGISTERED	014781777	11/11/2015	014781777
RACEPOINT ENERGY	104271	0001GB	REGISTERED	014781777	11/11/2015	UK00914781777
RACEPOINT	104271	0005	ALLOWED	87/947,704	06/04/2018	
RACEPOINT	104271	0005AU	REGISTERED	1973283	12/04/2018	1973283
RACEPOINT	104271	0005CN	REGISTERED	35073564	12/04/2018	35073564
RACEPOINT	104271	0005EU	REGISTERED	017996105	12/04/2018	017996105
RACEPOINT	104271	0005GB	REGISTERED	017996105	12/04/2018	UK00917996105
RACEPOINT	104271	0005IL	REGISTERED	311519	12/04/2018	311519
RACEPOINT	104271	0005IN	REGISTERED	4016787	12/04/2018	4016787
RACEPOINT	104271	0005JP	REGISTERED	2018-148766	12/04/2018	6147061
RACEPOINT	104271	0005KR	REGISTERED	40-2018-169787	12/04/2018	40-1539203
RACEPOINT	104271	0005MX	REGISTERED	2138885	12/03/2018	1986465
RACEPOINT	104271	0005SG	REGISTERED	40201825255Y	12/04/2018	40201825255Y
RETHINKING THE GRID	104271	0007	ALLOWED	88/078,933	08/15/2018	
RETHINKING THE GRID	104271	0007AU	REGISTERED	1988436	02/08/2019	1988436
RETHINKING THE GRID	104271	0007CN	REGISTERED	36304989	02/11/2019	36304989
RETHINKING THE GRID	104271	0007EU	ABANDONED	018021529	02/12/2019	
RETHINKING THE GRID	104271	0007IL	ABANDONED	313509	02/10/2019	
RETHINKING THE GRID	104271	0007IN	REGISTERED	4088541	02/15/2019	4088541
RETHINKING THE GRID	104271	0007JP	REGISTERED	2019-022839	02/08/2019	6157758
RETHINKING THE GRID	104271	0007KR	REGISTERED	40-2019-22145	02/13/2019	40-1564063
RETHINKING THE GRID	104271	0007MX	REGISTERED	2164662	02/11/2019	1991693
RETHINKING THE GRID	104271	0007SG	ABANDONED	40201902952P	02/12/2019	
NOON	104271	0082	ABANDONED	87/320,716	02/01/2017	
NOON	104271	0082A	REGISTERED	87/977,011	02/01/2017	5,471,536
NOON	104271	0082AU	REGISTERED	1897397	07/21/2017	1381804
NOON	104271	0082CA	REGISTERED	1848886	07/24/2017	TMA1067259
NOON	104271	0082CN1	REGISTERED	36046190	01/21/2019	36046190
NOON	104271	0082CN2	ABANDONED	?	07/21/2017	1381804
NOON	104271	0082EU	REGISTERED	1381804	07/21/2017	1381804
NOON	104271	0082GB	REGISTERED	1381804	07/21/2017	UK00801381804
NOON	104271	0082HK	REGISTERED	304219074	07/25/2017	304219074
NOON	104271	0082JP	REGISTERED	1381804	07/21/2017	1381804
NOON	104271	0082MP	REGISTERED	A0068650	07/21/2017	1381804
NOON	104271	0082MX	ABANDONED	1381804/1993329	07/21/2017	1381804/1941889
NOON	104271	0082NZ	REGISTERED	1381804	07/21/2017	1381804
NOON HOME	104271	0083	ABANDONED	87/316,358	01/27/2017	
NOON HOME	104271	0083A	ALLOWED	88/880,656	04/21/2020	
NOON HOME	104271	0083AAU	ABANDONED	2138883	10/07/2020	1562505
NOON HOME	104271	0083ACN1	REGISTERED	1562505	10/07/2020	1562505
NOON HOME	104271	0083ACN2	REGISTERED	1562505	10/07/2020	1562505

NOON HOME	104271	0083AEU	REGISTERED	1562505	10/07/2020	1562505
NOON HOME	104271	0083AJP	PROPOSED	A0100960	10/07/2020	1562505
NOON HOME	104271	0083AMP	REGISTERED	A0100960	10/07/2020	1562505
NOON HOME	104271	0083AMX1	PROPOSED	2463696	10/07/2020	1562505
NOON HOME	104271	0083AMX2	PROPOSED	2463697	10/07/2020	1562505
NOON HOME	104271	0083AU	REGISTERED	1381159	07/21/2017	1896264
NOON HOME	104271	0083CA	REGISTERED	1848892	07/24/2017	TMA1067253
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NOON HOME	104271	0083EU	REGISTERED	018244241	05/26/2020	018244241
NOON HOME	104271	0083GB	REGISTERED	018244241	05/26/2020	UK00918244241
NOON HOME	104271	0083HK	REGISTERED	304219065	07/25/2017	304219065
NOON HOME	104271	0083JP	ALLOWED	2020-058820	07/21/2017	1381159
NOON HOME	104271	0083MP	ABANDONED	A0068649	07/21/2017	1381159
NOON HOME	104271	0083MX1	CANCELLED	1992507	07/21/2017	2053145/1381159
NOON HOME	104271	0083MX2	CANCELLED	1992508		1969645/1381159
NOON HOME	104271	0083NZ	REGISTERED	1083541	07/21/2017	1147218
NOON & Des.	104271	0084	ABANDONED	87/316,381	01/27/2017	
NOON & Des.	104271	0084A	REGISTERED	87/977,996	01/27/2017	5,471,537
NOON	104271	0092	ABANDONED	86/556,078	03/06/2015	
NOON	104271	0092CA	ABANDONED	1743657	08/27/2015	
NOON	104271	0092JP	ABANDONED	2015-086219	09/07/2015	
NOON	104271	0092MX	ABANDONED	1653963	09/04/2015	
SAVANT ENERGY	104271	0097	ALLOWED	88/774,729	01/27/2020	
SAVANT ENERGY	104271	0097AU	REGISTERED	2104481	07/17/2020	2104481
SAVANT ENERGY	104271	0097CN1	PENDING	48159147	07/17/2020	
SAVANT ENERGY	104271	0097CN2	PENDING	48159146	07/17/2020	
SAVANT ENERGY	104271	0097CN3	REGISTERED	48159145	07/17/2020	48159145
SAVANT ENERGY	104271	0097EU	REGISTERED	018274662	07/20/2020	018274662
SAVANT ENERGY	104271	0097GB	PUBLISHED	UK00003579026	01/14/2021	
SAVANT ENERGY	104271	0097IL	ALLOWED	329806	07/22/2020	
SAVANT ENERGY	104271	0097IN	REGISTERED	4581917	07/27/2020	4581917
SAVANT ENERGY	104271	0097JP	PENDING	2020-069654	07/20/2020	
SAVANT ENERGY	104271	0097KR	PENDING	40-2020-0124621	07/17/2020	
SAVANT ENERGY	104271	0097MX1	REGISTERED	2393494	07/24/2020	2238275
SAVANT ENERGY	104271	0097MX2	REGISTERED	2393493	07/24/2020	2195331
SAVANT ENERGY	104271	0097MX3	PENDING	2393492	07/24/2020	
SAVANT ENERGY	104271	0097SG	PENDING	40202015087R	07/21/2020	
SAVANT POWER	104271	0098	ALLOWED	88/774,751	01/27/2020	
SAVANT POWER	104271	0098AU	REGISTERED	2104479	07/17/2020	2104479
SAVANT POWER	104271	0098CN1	PENDING	48159144	07/17/2020	
SAVANT POWER	104271	0098CN2	PENDING	48159143	07/17/2020	
SAVANT POWER	104271	0098CN3	REGISTERED	48159142	07/17/2020	48159142
SAVANT POWER	104271	0098EU	REGISTERED	018274454	07/20/2020	018274454
SAVANT POWER	104271	0098GB	PUBLISHED	UK00003579033	01/14/2021	

SAVANT POWER	104271	0098IL	ALLOWED	329807	07/22/2020	
SAVANT POWER	104271	0098IN	REGISTERED	4581920	07/27/2020	4581920
SAVANT POWER	104271	0098JP	PENDING	2020-089655	07/20/2020	
SAVANT POWER	104271	0098KR	PENDING	40-2020-0124622	07/17/2020	
SAVANT POWER	104271	0098MX1	REGISTERED	2393498	07/24/2020	2238276
SAVANT POWER	104271	0098MX2	REGISTERED	2393496	07/24/2020	2195332
SAVANT POWER	104271	0098MX3	PENDING	2393495	07/24/2020	
SAVANT POWER	104271	0098SG	PENDING	40202015084V	07/21/2020	
SAVANT LIGHTING	104271	0099	ALLOWED	88/774,741	01/27/2020	
SAVANT LIGHTING	104271	0099AU	REGISTERED	2104480	07/17/2020	2104480
SAVANT LIGHTING	104271	0099CN1	PENDING	48159141	07/17/2020	
SAVANT LIGHTING	104271	0099CN2	PENDING	48159140	07/17/2020	
SAVANT LIGHTING	104271	0099CN3	PENDING	48159139	07/17/2020	
SAVANT LIGHTING	104271	0099EU	REGISTERED	018274928	07/20/2020	018274928
SAVANT LIGHTING	104271	0099GB	PUBLISHED	UK00003578085	01/12/2021	
SAVANT LIGHTING	104271	0099IL	ALLOWED	329808	07/22/2020	
SAVANT LIGHTING	104271	0099IN	REGISTERED	4581921	07/27/2020	4581921
SAVANT LIGHTING	104271	0099JP	PENDING	2020-089656	07/20/2020	
SAVANT LIGHTING	104271	0099KR	PENDING	40-2020-0124623	07/17/2020	
SAVANT LIGHTING	104271	0099MX1	REGISTERED	2393504	07/24/2020	2238277
SAVANT LIGHTING	104271	0099MX2	REGISTERED	2393502	07/24/2020	2195333
SAVANT LIGHTING	104271	0099MX3	PENDING	2393500	07/24/2020	
SAVANT LIGHTING	104271	0099SG	PUBLISHED	40202015085Q	07/21/2020	
NOON POWER	104271	0100	ABANDONED	88/783,384	02/03/2020	
NOON ENERGY	104271	0101	ABANDONED	88/783,401	02/03/2020	
NOON SOLAR	104271	0102	ABANDONED	88/783,419	02/03/2020	
NOON FLEX	104271	0103	ABANDONED	88/783,432	02/03/2020	
NOON LIGHT	104271	0104	ABANDONED	88/783,457	02/03/2020	
NOON LITE	104271	0105	ABANDONED	88/783,463	02/03/2020	
PEARL	104271	0107	PENDING	90/541,678	02/23/2021	
PEARL & Des.	104271	0108	PENDING	90/541,691	02/23/2021	

Reg. Date	Country
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04/18/2016	EU
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02/02/2021	EU
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**SCHEDULE 2**  
**Patents**

Client Code	Matter Code	Country	App Serial No.	Patent No.	Date Filed	Date Issued	Title
104215	0001	US	29/244,963	D553,117	12/16/2005	10/16/2007	AUDIO/VIDEO CONTROL AND SWITCHING UNIT
104215	0002	US	29/244,962	D557,680	12/16/2005	12/18/2007	AUDIO/VIDEO CONTROL AND SWITCHING CONSOLE
104215	0003AT	AT	06 847 836.1	E 569745	12/20/2006	08/01/2012	METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003AU	AU	2006331691	2006331691	12/20/2006	07/21/2011	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003BE	BE	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003BR	BR	PI0620121-0	PI0620121-0	12/20/2006	07/09/2019	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER



104215	0003CA	CA	2,634,200	2,634,200	12/20/2006	02/09/2016	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003CH	CH	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003CN	CN	200680053096.1	ZL 200680053096.1	12/20/2006	08/15/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003CZ	CZ	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003DE	DE	06 847 836.1	60 2006 031 201.6	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003DK	DK	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003EP	EP	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE

104215	0003ES	ES	06 847 836.1	1 966 938	12/20/2006	08/01/2012	MULTIMEDIA CONTROLLER SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003FI	FI	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003FR	FR	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003GB	GB	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003IE	IE	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003IL	IL	192353	192353	12/20/2006	08/31/2013	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003IN	IN	3072/CHENP/2008	266950	12/20/2006	06/18/2015	SYSTEM AND

104215	0003IT	IT	06 847 836.1	1 966 938	12/20/2006	08/01/2012	METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003JP	JP	2008-547,494	5,285,429	12/20/2006	06/07/2013	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003KR	KR	10-2008-7017862	10-1330891	12/20/2006	11/12/2013	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003MX	MX	MX/a/2008/007887	287370	12/20/2006	06/09/2011	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003NL	NL	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003NZ	NZ	569249	569249	12/20/2006	10/10/2011	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA

104215	0003P1	US	11/687,511	8,659,704	03/16/2007	02/25/2014	CONTROLLER APPARATUS AND METHOD FOR MIXING GRAPHICS WITH VIDEO IMAGES
104215	0003PIC1	US	14/151,246	9,148,639	01/09/2014	09/29/2015	APPARATUS AND METHOD FOR MIXING GRAPHICS WITH VIDEO IMAGES
104215	0003PL	PL	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003RU	RU	2008127910	2483461	12/20/2006	05/27/2013	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0003TR	TR	06 847 836.1	1 966 938	12/20/2006	08/01/2012	SYSTEM AND METHOD FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0004	US	11/314,112	9,153,125	12/20/2005	10/06/2015	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004AU	AU	2006331710	2006331710	12/20/2006	09/29/2011	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE

104215	0004BR	BR	PI0260169-5		12/20/2006		SERVICES PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004C1	US	14/562,291	9,147,342	12/05/2014	09/29/2015	TECHNIQUES FOR CONFIGURING AND REMOTELY CONTROLLING A MULTIMEDIA SYSTEM
104215	0004C2	US	14/873,948	9,513,615	10/02/2015	12/06/2016	TECHNIQUES FOR CONFIGURING A MULTIMEDIA SYSTEM
104215	0004CA	CA	2,633,649	2,633,649	12/20/2006	02/28/2017	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004CN	CN	200680053154.0	ZL200680053154.0	12/20/2006	03/06/2013	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004IL	IL	192352	192352	12/20/2006	08/31/2013	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004IN	IN	3071/CHENP/2008	268126	12/20/2006	08/18/2015	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE

104215	0004JP	JP	2008-547,508	5,128,491	12/20/2006	11/09/2012	SERVICES PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004KR	KR	10-2008-7017726	10-1359263	12/20/2006	01/28/2014	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004MX	MX	MX/a/2008/007882	292631	12/20/2006	11/25/2011	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004NZ	NZ	569250	569250	12/20/2006	11/07/2011	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004NZD1	NZ	592296	592296	12/20/2006	10/08/2012	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0004RU	RU	2008127911	2460119	12/20/2006	08/27/2012	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH PROGRAMMABLE SERVICES
104215	0005	US	29/251,776	D563,392	01/12/2006	03/04/2008	AUDIO VISUAL SYSTEM INTERFACE

104215	0005EU	EU	554357	554357	07/03/2006	07/03/2006	AUDIO VISUAL SYSTEM INTERFACE
104215	0005JP	JP	2006-18303	1307305	07/11/2006	07/06/2007	AUDIO VISUAL SYSTEM INTERFACE
104215	0005MY	MY	MY 06-00515	MY 06-00515	07/11/2006	01/12/2006	AUDIO VISUAL SYSTEM INTERFACE
104215	0010	US	11/520,328	8,421,602	09/13/2006	04/16/2013	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010AU	AU	2007294806	2007294806	09/13/2007	06/28/2012	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010AUDI	AU	2012203264	2012203264	09/13/2007	05/08/2014	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010BR	BR	PI0716998-1		09/13/2007		REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010C1	US	13/789,166	8,766,782	03/07/2013	07/01/2014	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010C2	US	14/166,287	9,541,910	01/28/2014	01/10/2017	REMOTE CONTROL UNIT FOR A

								PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010C3	US	14/562,150	9,442,474	12/05/2014	09/13/2016	LOCATION-AWARE OPERATION BASED ON BLUETOOTH POSITIONING WITHIN A STRUCTURE	
104215	0010CA	CA	2,663,194	2,663,194	09/13/2007	07/04/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010CN	CN	200780041827.5	ZL200780041827.5	09/13/2007	01/28/2015	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010CND1	CN	201410822589.3	ZL201410822589.3	09/13/2007	04/27/2018	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010DE	DE	07 838 109.2	60 2007 050 512.7	09/13/2007	04/05/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010DED1	DE	12 170 838.2	60 2007 051 798.2	09/13/2007	07/26/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	



104215	0010EP	EP	07 838 109.2	2 059 912	09/13/2007	04/05/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010EPD1	EP	12 170 838.2	2 498 235	09/13/2007	07/26/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010ES	ES	07 838 109.2	2 059 912	09/13/2007	04/05/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010ESD1	ES	12 170 838.2	2 498 235	09/13/2007	07/26/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010FR	FR	07 838 109.2	2 059 912	09/13/2007	04/05/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010FRD1	FR	12 170 838.2	2 498 235	09/13/2007	07/26/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010GB	GB	07 838 109.2	2 059 912	09/13/2007	04/05/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE

104215	0010GBD1	GB	12 170 838.2	2 498 235	09/13/2007	07/26/2017	MULTIMEDIA CONTROLLER REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010IL	IL	197560	197560	09/13/2007	03/01/2014	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010ILD1	IL	222845	222845	09/13/2007	02/01/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010IN	IN	1451/CHENP/2009	275611	09/13/2007	09/14/2016	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010IT	IT	07 838 109.2	50 2017 000 070 952	09/13/2007	04/05/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010TTD1	IT	12 170 838.2	502017000117090	09/13/2007	07/26/2017	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010JP	JP	2009-528,278	5,669,393	09/13/2007	12/26/2014	REMOTE CONTROL

								UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0010KR	KR	10-2009-7007495	10-1443403	09/13/2007	09/16/2014	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010MX	MX	MX/a/2009/002721	301922	09/13/2007	08/02/2012	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010NZ	NZ	575444	575444	09/13/2007	04/05/2011	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0010RU	RU	2009112045	2469409	09/13/2007	12/10/2012	REMOTE CONTROL UNIT FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0011	US	11/519,981	8,687,037	09/12/2006	04/01/2014	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0011AU	AU	2007294870	2007294870	09/12/2007	12/15/2011	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA	

104215	001AUD1	AU	2011253776	2011253776	09/12/2007	02/13/2014	CONTROLLER TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001IBR	BR	PI0716783-0	PI0716783-0	09/12/2007	03/24/2020	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001IC1	US	14/189,475	9,407,948	02/25/2014	08/02/2016	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001ICA	CA	2,663,153	2,663,153	09/12/2007	11/29/2016	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001ICN	CN	200780038295.X	ZL 200780038295.X	09/12/2007	05/01/2013	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001IDE	DE	07 838 073.0	60 2007 056 145.0	09/12/2007	09/12/2018	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001IEP	EP	07 838 073.0	2 062 423	09/12/2007	09/12/2018	TELEPHONY SERVICES FOR

								PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	001IES	ES	07 838 073.0	2 062 423	09/12/2007	09/12/2018	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	001IFR	FR	07 838 073.0	2 062 423	09/12/2007	09/12/2018	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	001IGB	GB	07 838 073.0	2 062 423	09/12/2007	09/12/2018	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	001IHL	IL	197558	197558	09/12/2007	12/31/2014	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	001IN	IN	1414/CHEMP/2009	277621	09/12/2007	11/25/2016	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	001ITT	IT	07 838 073.0	502018000037310	09/12/2007	09/12/2018	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	

104215	0011JP	JP	2009-528,268	5,231,421	09/12/2007	03/29/2013	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0011KR	KR	10-2009-7007481	10-1421759	09/12/2007	07/15/2014	A SYSTEM FOR INTEGRATED MULTIMEDIA, ENTERTAINMENT, COMMUNICATIONS AND CONTROL CAPABLE OF PROVIDING PROGRAMMABLE TELEPHONY SERVICES, AND A METHOD FOR PROCESSING TELEPHONE CALLS
104215	0011MX	MX	MX/a/2009/002662	300718	09/12/2007	06/27/2012	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0011NZ	NZ	575443	575443	09/12/2007	05/07/2012	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0011NZD1	NZ	594666	594666	08/18/2011	01/04/2013	TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA

104215	0011RU	RU	2009112047	2451417	09/12/2007	05/20/2012	CONTROLLER TELEPHONY SERVICES FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012	US	11/520,215	7,930,644	09/13/2006	04/19/2011	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012AU	AU	2007294756	2007294756	09/13/2007	09/29/2011	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012BR	BR	PI0716782-2		09/13/2007		PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012C1	US	13/042,238	8,997,011	03/07/2011	03/31/2015	PROGRAMMING ENVIRONMENT FOR CONFIGURING A SYSTEM OF AUDIO/VIDEO COMPONENTS

104215	0012C2	US	14/660,323	10,261,529	03/17/2015	04/16/2019	CONFIGURING A SYSTEM OF COMPONENTS USING GRAPHICAL PROGRAMMING ENVIRONMENT HAVING A ZONE MAP
104215	0012C3	US	16/383,253		04/12/2019		CONFIGURING A SYSTEM OF COMPONENTS USING GRAPHICAL PROGRAMMING ENVIRONMENT
104215	0012CA	CA	2,663,167	2,663,167	09/13/2007	04/21/2015	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012CN	CN	200780041123.8	ZL200780041123.8	09/13/2007	05/20/2015	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012DE	DE	07 838 167.0	60 2007 037 816.8	09/13/2007	07/23/2014	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA



104215	0012EP	EP	07 838 167.0	2 064 883	09/13/2007	07/23/2014	CONTROLLER PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012ES	ES	07 838 167.0	2 064 883	09/13/2007	07/23/2014	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012FR	FR	07 838 167.0	2 064 883	09/13/2007	07/23/2014	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012GB	GB	07 838 167.0	2 064 883	09/13/2007	07/23/2014	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012IL	IL	197559	197559	09/13/2007	04/30/2015	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR

								PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012IN	IN	1415/CHENP/2009	275075	09/13/2007	08/22/2016	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0012IT	IT	07 838 167.0	2 064 883	09/13/2007	07/23/2014	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0012JP	JP	2009-528,288	5,322,941	09/13/2007	07/26/2013	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0012KR	KR	10-2009-7007596	10-1368133	09/13/2007	02/20/2014	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0012MX	MX	MX/a/2009/002783	293807	09/13/2007	12/15/2011	PROGRAMMING ENVIRONMENT AND	

										METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0012NZ	NZ	575441	575441	09/13/2007	07/09/2012	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER			
104215	0012P1	US	11/687,458	8,199,113	03/16/2007	06/12/2012	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			
104215	0012P1AU	AU	2008229473	2008229473	03/14/2008	06/08/2012	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			
104215	0012P1BR	BR	P10809014-9	P10809014-9	03/14/2008	04/14/2020	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			
104215	0012P1CA	CA	2,680,259	2,680,259	03/14/2008	12/19/2017	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			
104215	0012P1CN	CN	200880008545.X	ZL200880008545.X	03/14/2008	05/15/2013	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			
104215	0012P1DE	DE	08 742 094 9	60 2008 042 497 9	03/16/2007	02/24/2016	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			
104215	0012P1EP	EP	08 742 094 9	2 132 722	03/14/2008	02/24/2016	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL			

104215	0012PIES	ES	08 742 094 9	2 132 722	03/16/2007	02/24/2016	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIFR	FR	08 742 094 9	2 132 722	03/16/2007	02/24/2016	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIGB	GB	08 742 094 9	2 132 722	03/16/2007	02/24/2016	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIIL	IL	200900	200900	03/14/2008	11/30/2013	PROGRAMMABLE MULTIMEDIA SYSTEMS AND METHODS FOR PROGRAMMING A PROGRAMMABLE REMOTE CONTROL AND A PROGRAMMABLE ON SCREEN DISPLAY
104215	0012PIN	IN	5369/CHENP/2009	282307	03/14/2008	04/03/2017	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIIT	IT	08 742 094 9	502016000034395	03/16/2007	02/24/2016	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIJP	JP	2009-554,540	5,373,642	03/14/2008	09/27/2013	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIKR	KR	10-2009-7021551	10-1437198	03/14/2008	08/27/2014	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIMX	MX	MX/a/2009/009682	302470	03/14/2008	08/17/2012	PROGRAMMABLE ON SCREEN DISPLAY AND

104215	0012PINZ	NZ	579692	579692	03/14/2008	07/09/2012	REMOTE CONTROL PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012PIRU	RU	2009136229	2,454,701	03/14/2008	06/27/2012	PROGRAMMABLE ON SCREEN DISPLAY AND REMOTE CONTROL
104215	0012RU	RU	2009112044	2453069	09/13/2007	06/10/2012	PROGRAMMING ENVIRONMENT AND METADATA MANAGEMENT FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0013	US	11/520,213	8,452,427	09/13/2006	05/28/2013	SIGNAL PATH USING GENERAL-PURPOSE COMPUTER FOR AUDIO PROCESSING AND AUDIO-DRIVEN GRAPHICS
104215	0014EU	EP	674841	674841	02/23/2007	02/23/2007	REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0014JP	JP	2007-4522	1320737	02/23/2007	12/28/2007	REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0014JP1	JP	2007-4521	1320736	02/23/2007	12/28/2007	REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0014NZ	NZ	408735	408735	02/23/2007	08/23/2006	A REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0015	US	29/248,611	D605,177	08/23/2006	12/01/2009	REMOTE CONTROL

104215	0016	US	29/248,612	D596,163	08/23/2006	07/14/2009	FOR MULTIMEDIA CONTROLLER
104215	0016EU	EP	674882	674882	02/23/2007	02/23/2007	REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0016JP	JP	2007-4524	1321394	02/23/2007	01/11/2008	REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0016NZ	NZ	408737	408737	02/23/2007	08/23/2006	REMOTE CONTROL FOR MULTIMEDIA CONTROLLER
104215	0017EU	EP	676499	676499	02/23/2007	02/23/2007	TABLE-TOP TOUCH SCREEN CONTROLLER
104215	0017JP	JP	2007-4525	1309345	02/23/2007	08/03/2007	TABLE-TOP TOUCH SCREEN CONTROLLER
104215	0017NZ	NZ	408738	408738	02/23/2007	08/23/2006	A TABLE-TOP TOUCH SCREEN CONTROLLER
104215	0018	US	29/265,745	D590,374	09/07/2006	04/14/2009	WALL-MOUNTABLE TOUCH SCREEN CONTROL
104215	0018EU	EP	679816	679816	03/01/2007	03/01/2007	WALL-MOUNTABLE TOUCH SCREEN CONTROL
104215	0018JP	JP	2007-5914	1314845	03/07/2007	10/12/2007	WALL-MOUNTABLE TOUCH SCREEN CONTROL
104215	0018NZ	NZ	408769	408769	02/28/2007	01/31/2008	WALL-MOUNTABLE TOUCH SCREEN CONTROL
104215	0019	US	29/248,608	D572,743	08/23/2006	07/08/2008	PLASMA DISPLAY CONTROL

104215	0020EU	EP	674874	674874	02/23/2007	02/23/2007	MULTIMEDIA CONTROLLER
104215	0020JP	JP	2007-4523	1318019	02/23/2007	11/22/2007	MULTIMEDIA CONTROLLER
104215	0020NZ	NZ	408736	408736	02/23/2007	01/31/2008	A MULTIMEDIA CONTROLLER
104215	0021	US	29/265,746	D571,822	09/07/2006	06/24/2008	MULTIMEDIA CONTROLLER
104215	0021EU	EP	679873	679873	03/01/2007	03/01/2007	MULTIMEDIA CONTROLLER
104215	0021JP	JP	2007-5915	1318996	03/07/2007	12/07/2007	MULTIMEDIA CONTROLLER
104215	0021NZ	NZ	408770	408770	02/28/2007	03/31/2008	A MULTIMEDIA CONTROLLER
104215	0022	US	29/250,457	D574,009	02/15/2007	07/29/2008	USER INTERFACE FOR A DISPLAY SCREEN OF A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0022EU	EP	723028	723028	05/15/2007	05/15/2007	USER INTERFACE FOR A DISPLAY SCREEN OF A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0022JP	JP	2007-12776	1361695	05/15/2007	05/01/2009	USER INTERFACE FOR A DISPLAY SCREEN OF A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0025	US	11/687,500	8,788,076	03/16/2007	07/22/2014	DISTRIBUTED

104215	0025D1	US	14/304,410	10,255,145	06/13/2014	04/09/2019	SWITCHING SYSTEM FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0026	US	11/687,435	8,169,380	03/16/2007	05/01/2012	DISTRIBUTED SWITCHING SYSTEM FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0026AU	AU	2008227084	2008227084	03/10/2008	09/27/2012	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026BR	BR	PI0808961-2	PI0808961-2	03/10/2008	02/26/2019	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026CA	CA	2,680,931	2,680,931	03/10/2008	11/29/2016	SYSTEM AND METHOD FOR DRIVING AND



104215	0026CN	CN	200880015664.8	ZL 200880015664.8	03/10/2008	10/03/2012	RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026DE	DE	08 726 652.4	60 2008 056 935.7	03/10/2008	09/12/2018	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026EP	EP	08 726 652.4	2 137 605	03/10/2008	09/12/2018	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026ES	ES	08 726 652.4	2 137 605	03/10/2008	09/12/2018	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026FR	FR	08 726 652.4	2 137 605	03/10/2008	09/12/2018	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES

							METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026GB	GB	08 726 652.4	2 137 605	03/10/2008	09/12/2018	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026IL	IL	200983	200983	03/10/2008	04/30/2015	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026IN	IN	5956/DELNP/2009	322702	03/10/2008	10/14/2019	METHOD AND APPARATUS FOR CONTROLLING MULTIPLE TOUCHSCREEN DEVICES WITH A GENERAL PURPOSE COMPUTER
104215	0026IT	IT	08 726 652.4	5020180000036928	03/10/2008	09/12/2018	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE

104215	0026JP	JP	2009-554,527	5,373,641	03/10/2008	09/27/2013	TOUCH SCREEN DEVICES SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026KR	KR	10-2009-7021572	10-1494027	03/10/2008	02/10/2015	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026MX	MX	MX/a/2009/009897	299470	03/10/2008	05/24/2012	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026NZ	NZ	579693	579693	03/10/2008	08/06/2012	SYSTEM AND METHOD FOR DRIVING AND RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0026RU	RU	2009136230	2469380	03/10/2008	12/10/2012	SYSTEM AND METHOD FOR DRIVING AND

							RECEIVING DATA FROM MULTIPLE TOUCH SCREEN DEVICES
104215	0032	US	29/284,122	D586,301	08/31/2007	02/10/2009	HANDHELD REMOTE CONTROL (small version)
104215	0033	US	29/284,123	D581,370	08/31/2007	11/25/2008	HANDHELD REMOTE CONTROL (small version)
104215	0034CA	CA	2,701,448	2,701,448	09/04/2008	01/03/2017	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0034DE	DE	08 829 484 8	60 2008 041 178 8	09/04/2008	11/11/2015	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0034EP	EP	08 829 484 8	2 188 796	09/04/2008	11/11/2015	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0034ES	ES	08 829 484 8	2 188 796	09/04/2008	11/11/2015	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0034FR	FR	08 829 484 8	2 188 796	09/04/2008	11/11/2015	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER

104215	0034GB	GB	08 829 484 8	2 188 796	09/04/2008	11/11/2015	BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0034IT	IT	08 829 484 8	502016000012210	09/04/2008	11/11/2015	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0034U	US	12/600,194	8,504,183	11/13/2009	08/06/2013	WEB BROWSER BASED REMOTE CONTROL FOR PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0035C1	US	14/613,008	10,211,998	02/03/2015	02/19/2019	ADDING DEVICES TO AN EXPANDABLE MULTIMEDIA CONTROL SYSTEM
104215	0035CA	CA	2,701,445	2,701,445	09/04/2008	12/08/2015	EXPANDABLE MULTIMEDIA CONTROL SYSTEM AND METHOD
104215	0035DE	DE	08 795 753 6	60 2008 035 340 0	09/04/2008	11/12/2014	EXPANDABLE MULTIMEDIA

104215	003SEP	EP	08 795 753.6	2 198 566	09/04/2008	11/12/2014	CONTROL SYSTEM AND METHOD
104215	003SES	ES	08 795 753.6	2 198 566	09/04/2008	11/12/2014	EXPANDABLE MULTIMEDIA CONTROL SYSTEM AND METHOD
104215	003FR	FR	08 795 753.6	2 198 566	09/04/2008	11/12/2014	EXPANDABLE MULTIMEDIA CONTROL SYSTEM AND METHOD
104215	0035GB	GB	08 795 753.6	2 198 566	09/04/2008	11/12/2014	EXPANDABLE MULTIMEDIA CONTROL SYSTEM AND METHOD
104215	0035IT	IT	08 795 753.6	2 198 566	09/04/2008	11/12/2014	EXPANDABLE MULTIMEDIA CONTROL SYSTEM AND METHOD
104215	0035U	US	12/682,335	8,954,176	09/04/2008	02/10/2015	EXPANDABLE MULTIMEDIA CONTROL SYSTEM AND METHOD
104215	0036U	US	12/204,275	8,237,625	09/04/2008	08/07/2012	MULTIMEDIA CONTROL AND DISTRIBUTION ARCHITECTURE
104215	0040AT	AT	09 739 226.0	E 667 442	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A

								PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040AU	AU	2009241750	2009241750	05/01/2009	10/24/2013	VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040BE	BE	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040BR	BR	PI 0911559-5		05/01/2009		TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040CA	CA	2,722,851	2,722,851	05/01/2009	07/18/2017	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040CH	CH	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	

104215	0040CZ	CZ	09 739 226.0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040DE	DE	09 739 226.0	60 2009 023 917.1	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040DK	DK	09 739 226.0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040EP	EP	09 739 226.0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040ES	ES	09 739 226.0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040FI	FI	09 739 226.0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A



								PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040FR	FR	09 739 226 0	2 291 998	05/01/2009	05/07/2014	VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040GB	GB	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040IE	IE	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040IL	IL	209064	209064	05/01/2009	04/30/2015	TOUCH SENSITIVE VIDEO SIGNAL FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040IT	IT	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0040JP	JP	2011-507,462	5,613,151	05/01/2009	09/12/2014	TOUCH SENSITIVE	

							VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040KR	KR	10-2010-7027142	10-1557176	05/01/2009	09/24/2015	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040MX	MX	MX/a/2010/011831	322700	05/01/2009	08/11/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040NL	NL	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040NZ	NZ	588888	588888	05/01/2009	01/29/2013	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040PL	PL	09 739 226 0	2 291 998	05/01/2009	05/07/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE

104215	0040TR	TR	09 739 226 0	2014 05865	05/01/2009	05/07/2014	MULTIMEDIA CONTROLLER TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0040U	US	12/434,189	8,884,886	05/01/2009	11/11/2014	TOUCH SENSITIVE VIDEO SIGNAL DISPLAY FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0041	US	12/204,032	8,213,463	09/04/2008	07/03/2012	LOCATION-BASED SHARING OF MULTIMEDIA CONTROL RESOURCES
104215	0041C1	US	13/532,370	8,428,089	06/25/2012	04/23/2013	LOCATION-BASED SHARING OF MULTIMEDIA CONTROL RESOURCES
104215	0044AU	AU	2009288704	2009288704	09/04/2009	01/08/2015	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044BR	BR	PI0918295-0		09/04/2009		TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR

							REMOTELY CONTROLLING A SYSTEM
104215	0044CA	CA	2,735,713	2,735,713	09/04/2009	04/19/2016	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044CN	CN	200980144658.7	ZL200980144658.7	09/04/2009	06/04/2014	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044DE	DE	09 789 266.5	60 2009 039 877.6	09/04/2009	07/20/2016	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044EP	EP	09 789 266.5	2 332 318	09/04/2009	07/20/2016	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044ES	ES	09 789 266.5	2 332 318	09/04/2009	07/20/2016	TOUCH-SENSITIVE WIRELESS DEVICE

104215	0044FR	FR	09 789 266.5	2 332 318	09/04/2009	07/20/2016	AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044GB	GB	09 789 266.5	2 332 318	09/04/2009	07/20/2016	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044IL	IL	211558	211558	09/04/2009	02/01/2017	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044IT	IT	09 789 266.5	502016000103625	09/04/2009	07/20/2016	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM

104215	0044KR	KR	10-2011-7007640	10-1591552	09/04/2009	01/28/2016	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044MX	MX	MX/a/2011/002345	321758	09/04/2009	07/08/2014	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044NZ	NZ	591534	591534	09/04/2009	04/30/2013	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0044U	US	12/921,710	9,105,180	09/09/2010	08/11/2015	TOUCH-SENSITIVE WIRELESS DEVICE AND ON SCREEN DISPLAY FOR REMOTELY CONTROLLING A SYSTEM
104215	0045	US	29/324,018	D592189	09/04/2008	05/12/2009	DOCKING STATION
104215	0046AU	AU	2010257154	2010257154	06/02/2010	06/05/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL

104215	0046BR	BR	PI 1011140-9	PI 1011140-9	06/02/2010	04/14/2020	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046C1	US	13/551,289	9,055,627	07/17/2012	06/09/2015	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046C2	US	14/733,428	10,146,398	06/08/2015	12/04/2018	GENERATING A VIRTUAL-ROOM OF A VIRTUAL ROOM-BASED USER INTERFACE
104215	0046CA	CA	2,764,240	2,764,240	06/02/2010	08/22/2017	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046CN	CN	201080034548.8	ZL201080034548.8	06/02/2010	12/17/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046DE	DE	10 727 992.9	60 2010 020 372.7	06/02/2010	11/19/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046EP	EP	10 727 992.9	2 438 800	06/02/2010	11/19/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046ES	ES	10 727 992.9	2 438 800	06/02/2010	11/19/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL

104215	0046FR	FR	10 727 992.9	2 438 800	06/02/2010	11/19/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046GB	GB	10 727 992.9	2 438 800	06/02/2010	11/19/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046IL	IL	216756	216756	06/02/2010	01/31/2015	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046IN	IN	9514/DELNP/2011		06/02/2010		VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046IT	IT	10 727 992.9	2 438 800	06/02/2010	11/19/2014	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046JP	JP	2012-513,933	5,782,433	06/02/2010	07/24/2015	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046KR	KR	10-2012-7000059	10-1719842	06/02/2010	03/20/2017	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046MX	MX	MX/a/2011/012905	310929	06/02/2010	06/28/2013	VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046NZ	NZ	596852	596852	06/02/2010	07/02/2013	VIRTUAL ROOM-



								BASED LIGHT FIXTURE AND DEVICE CONTROL
104215	0046RU	RU	2011152270	2528016	06/02/2010	07/15/2014	VIRTUAL ROOM- BASED LIGHT FIXTURE AND DEVICE CONTROL	
104215	0046U	US	12/792,236	8,296,669	06/02/2010	10/23/2012	VIRTUAL ROOM- BASED LIGHT FIXTURE AND DEVICE CONTROL	
104215	0051	US	29/351,734	D650,353	12/10/2009	12/13/2011	MEDIA DEVICE AND HUB ASSEMBLY	
104215	0051D1	US	29/403,264	D657,770	10/04/2011	04/17/2012	MEDIA DEVICE WITH HUB ASSEMBLY	
104215	0054AU	AU	2011262360	2011262360	06/02/2011	12/18/2014	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH	
104215	0054BR	BR	1120120306103		06/02/2011		DOCKING STATION WITH REDUNDANT COMMUNICATION PATH	
104215	0054CA	CA	2,798,788	2,798,788	06/02/2011	04/10/2018	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH	
104215	0054CN	CN	201180027398.2	ZL201180027398.2	06/02/2011	11/23/2016	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH	
104215	0054DE	DE	11 727 562.8	60 2011 062 436.9	06/02/2011	10/02/2019	DOCKING STATION WITH REDUNDANT	

104215	0054EP	EP	11 727 562.8	2 577 418	06/02/2011	10/02/2019	COMMUNICATION PATH
104215	0054EP	EP	11 727 562.8	2 577 418	06/02/2011	10/02/2019	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054ES	ES	11 727 562.8	2 577 418	06/02/2011	10/02/2019	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054FR	FR	11 727 562.8	2 577 418	06/02/2011	10/02/2019	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054GB	GB	11 727 562.8	2 577 418	06/02/2011	10/02/2019	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054IL	IL	222973	222973	06/02/2011	11/01/2016	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054IN	IN	10118/CHENP/2012		06/02/2011		DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054IT	IT	11 727 562.8	502019000110800	06/02/2011	10/02/2019	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054JP	JP	2013-513,150	5,808,397	06/02/2011	09/18/2015	DOCKING STATION WITH REDUNDANT COMMUNICATION

104215	0054KR	KR	10-2012-7031622	10-1773220	06/02/2011	08/24/2017	PATH DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054MX	MX	MX/a/2012/013518	319658	06/02/2011	04/25/2014	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054NZ	NZ	603583	603583	06/02/2011	03/21/2014	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054RU	RU	2012155150	2575686	06/02/2011	01/26/2016	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0054U	US	13/113,215	9,191,230	05/23/2011	11/17/2015	DOCKING STATION WITH REDUNDANT COMMUNICATION PATH
104215	0055	US	12/850,429	8,369,082	08/04/2010	02/05/2013	IN-WALL DOCK FOR A TABLET COMPUTER
104215	0055AU	AU	2011286449	2011286449	07/27/2011	03/05/2015	IN-WALL DOCK FOR A TABLET COMPUTER
104215	0055BR	BR	11 2013 002707 0		07/27/2011		IN-WALL DOCK FOR A TABLET COMPUTER
104215	0055CA	CA	2,807,467	2,807,467	07/27/2011	02/27/2018	IN-WALL DOCK FOR A TABLET COMPUTER
104215	0055CN	CN	201180048345.9	ZL201180048345.9	07/27/2011	05/06/2015	IN-WALL DOCK FOR A TABLET COMPUTER
104215	0055DE	DE	11 743 674.1	60 2011 041 329.5	07/27/2011	09/06/2017	IN-WALL DOCK FOR A TABLET COMPUTER

104215	005SEP	EP	11 743 674.1	2 601 432	07/27/2011	09/06/2017	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005SES	ES	11 743 674.1	2 601 432	07/27/2011	09/06/2017	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005FR	FR	11 743 674.1	2 601 432	07/27/2011	09/06/2017	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005GB	GB	11 743 674.1	2 601 432	07/27/2011	09/06/2017	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005IL	IL	224573	224573	07/27/2011	07/01/2016	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005IN	IN	1068/DELNP/2013		07/27/2011		IN-WALL DOCK FOR A TABLET COMPUTER
104215	005IT	IT	11 743 674.1	502017000140035	07/27/2011	09/06/2017	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005JP	JP	2013-523,147	5,842,002	07/27/2011	11/20/2015	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005KR	KR	10-2013-7005297	10-1877076	07/27/2011	07/04/2018	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005MX	MX	MX/a/2013/001477	333107	07/27/2011	09/10/2015	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005NZ	NZ	607019	607019	07/27/2011	03/04/2014	IN-WALL DOCK FOR A TABLET COMPUTER
104215	005RU	RU	2013106239	2584488	07/27/2011	04/22/2016	IN-WALL DOCK FOR A TABLET COMPUTER
104215	0061	US	29/364,484	D662,074	06/24/2010	06/19/2012	TELEPHONE HANDSET
104215	0062	US	29/364,488	D644,228	06/24/2010	08/30/2011	IN-WALL IPAD DOCK
104215	0063	US	29/364,490	D644,229	06/24/2010	08/30/2011	IN-WALL IPOD DOCK
104215	0064	US	29/364,529	D636,778	06/24/2010	04/26/2011	DESKTOP IPAD DOCK
104215	0065	US	29/364,526	D636,777	06/24/2010	04/26/2011	DESKTOP DOCK FOR IPAD
104215	0069AU	AU	2011306045	2011306045	09/22/2011	07/16/2015	PROGRAMMABLE MULTIMEDIA

104215	0069BR	BR	11 2013 006585 0		09/22/2011		CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE
104215	0069CA	CA	2,811,395	2,811,395	09/22/2011	08/20/2019	MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE
104215	0069CN	CN	201180046037.2	ZL201180046037.2	09/22/2011	04/26/2017	MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE
104215	0069DE	DE	11 764 007.8	60 2011 025 310.7	09/22/2011	04/13/2016	MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE
104215	0069EP	EP	11 764 007.8	2 619 991	09/22/2011	04/13/2016	MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE
104215	0069ES	ES	11 764 007.8	2 619 991	09/22/2011	04/13/2016	MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE

104215	0069FR	FR	11 764 007.8	2 619 991	09/22/2011	04/13/2016	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069GB	GB	11 764 007.8	2 619 991	09/22/2011	04/13/2016	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069IL	IL	225338	225338	09/22/2011	08/30/2017	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069IN	IN	2557/DELNP/2013		09/22/2011		PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069IT	IT	11 764 007.8	502016000070530	09/22/2011	04/13/2016	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069JP	JP	2013-530,133	5,899,221	09/22/2011	03/11/2016	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069KR	KR	10-2013-7010132	10-1876591	09/22/2011	07/03/2018	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM

							HAVING A TACTILE REMOTE CONTROL PROGRAMMABLE
104215	0069MX	MX	MX/al/2013/003213	321887	09/22/2011	07/11/2014	MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069NZ	NZ	608445	608445	09/22/2011	07/01/2014	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069RU	RU	2013116377	2575486	09/22/2011	01/25/2016	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0069U	US	13/238,177	9,019,083	09/21/2011	04/28/2015	PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL
104215	0071AU	AU	2011306044	2011306044	09/22/2011	05/14/2015	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071BR	BR	11 2013 006586 9		09/22/2011		PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER

104215	0071C1	US	14/246,691	9,250,932	04/07/2014	02/02/2016	ACCESS AND SHARED DEVICE CONFIGURATIONS PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071CA	CA	2,811,074	2,811,074	09/22/2011	03/12/2019	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071CN	CN	201180046038.7	ZL201180046038.7	09/22/2011	04/26/2017	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071DE	DE	11 768 187.4	60 2011 024 676.3	09/22/2011	03/30/2016	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071EP	EP	11 768 187.4	2 619 993	09/22/2011	03/30/2016	PROGRAMMABLE MULTIMEDIA



							CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071ES	ES	11 768 187.4	2 619 993	09/22/2011	03/30/2016	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071FR	FR	11 768 187.4	2 619 993	09/22/2011	03/30/2016	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071GB	GB	11 768 187.4	2 619 993	09/22/2011	03/30/2016	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071IL	IL	225183	225183	09/22/2011	03/01/2017	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS

104215	0071IN	IN	2349/DELNP/2013		09/22/2011		PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071IT	IT	11 768 187.4	502016000055723	09/22/2011	03/30/2016	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071JP	JP	2013-530,132	5,956,447	09/22/2011	06/24/2016	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071KR	KR	10-2013-7010093	10-1826383	09/22/2011	01/31/2018	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071MX	MX	MX/a/2013/003215	318551	09/22/2011	03/18/2014	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED

104215	0071NZ	NZ	608443	608443	09/22/2011	09/30/2014	DEVICE CONFIGURATIONS PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071RU	RU	2013116376	2550746	09/22/2011	04/14/2015	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0071U	US	13/238,141	8,719,581	09/21/2011	05/06/2014	PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS
104215	0077AU	AU	2012207616	2012207616	01/17/2012	04/21/2016	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0077BR	BR	11 2013 018148 6		01/17/2012		REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK

								WHEN INTERACTING WITH AN ON SCREEN DISPLAY
104215	0077CA	CA	2,824,465	2,824,465	01/17/2012	08/21/2018	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK	
104215	0077CN	CN	201280014103.2	ZL201280014103.2	01/17/2012	12/02/2015	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK WHEN INTERACTING WITH AN ON SCREEN DISPLAY	
104215	0077DE	DE	12 703 178.9	60 2012 047 620.6	01/17/2012	06/20/2018	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK	
104215	0077EP	EP	12 703 178.9	2 666 282	01/17/2012	06/20/2018	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK WHEN INTERACTING WITH AN ON SCREEN DISPLAY	
104215	0077ES	ES	12 703 178.9	2 666 282	01/17/2012	06/20/2018	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND	

104215	0077FR	FR	12 703 178.9	2 666 282	01/17/2012	06/20/2018	VISUAL FEEDBACK REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0077GB	GB	12 703 178.9	2 666 282	01/17/2012	06/20/2018	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0077IL	IL	227495	227495	01/17/2012	08/30/2017	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0077IN	IN	5698/CHENP/2013		01/17/2012		REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK WHEN INTERACTING WITH AN ON SCREEN DISPLAY
104215	0077IT	IT	12 703 178.9	502018000027118	01/17/2012	06/20/2018	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0077JP	JP	2013-550,482	6,033,792	01/17/2012	11/04/2016	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND

104215	0077KR	KR	10-2013-7021665	10-1795837	01/17/2012	11/02/2017	VISUAL FEEDBACK REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK WHEN INTERACTING WITH AN ON SCREEN DISPLAY
104215	0077MX	MX	MX/a/2013/008283	323531	01/17/2012	09/09/2014	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK WHEN INTERACTING WITH AN ON SCREEN DISPLAY
104215	0077NZ	NZ	613155	613155	01/17/2012	01/06/2015	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0077RU	RU	2013136410	2594178	01/17/2012	07/20/2016	REMOTE CONTROL INTERFACE PROVIDING HEAD-UP OPERATION AND VISUAL FEEDBACK
104215	0080	US	29/388,882	D657,773	04/04/2011	04/17/2012	METHOD AND SMART PHONE
104215	0081	US	13/081,183	8,914,724	04/06/2011	12/16/2014	APPARATUS FOR CREATING AND MODIFYING GRAPHICAL

104215	0081AU	AU	20122240571	20122240571	04/05/2012	06/30/2016	SCHEDULES METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	0081BR	BR	11 2013 025793 8		04/05/2012		METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	0081CA	CA	2,832,335		04/05/2012		METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	0081CN	CN	201280027628.X	ZL201280027628.X	04/05/2012	04/12/2019	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	0081DE	DE	12 720 305 7	60 2012 054 612.3	04/05/2012	12/12/2018	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	0081EP	EP	12 720 305 7	2 695 332	04/05/2012	12/12/2018	METHOD AND APPARATUS FOR

104215	008IES	ES	12 720 305.7	2 695 332	04/05/2012	12/12/2018	CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	008IFR	FR	12 720 305.7	2 695 332	04/05/2012	12/12/2018	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	008IGB	GB	12 720 305.7	2 695 332	04/05/2012	12/12/2018	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	008IIL	IL	228698	228698	04/05/2012	02/01/2017	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	008IIN	IN	8631/DELNP/2013		04/05/2012		METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL



								SCHEDULES
104215	008 IIT	IT	12 720 305.7	5020190000012477	04/05/2012	12/12/2018	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES	
104215	008 IJP	JP	2014-503,651	6,050,312	04/05/2012	12/02/2016	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES	
104215	008 IKR	KR	10-2013-7029114	10-1932786	04/05/2012	12/19/2018	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES	
104215	008 IMX	MX	MX/a/2013/011455	340371	04/05/2012	07/07/2016	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES	
104215	008 INZ	NZ	616350	616350	04/05/2012	05/01/2015	METHOD AND APPARATUS FOR CREATING AND MODIFYING GRAPHICAL SCHEDULES	
104215	008 IRU	RU	2013146662	2611994	04/05/2012	03/01/2017	METHOD AND APPARATUS FOR	

								CREATING AND MODIFYING GRAPHICAL SCHEDULES
104215	0082	US	29/400,468	D656,487	08/29/2011	03/27/2012	HAND HELD REMOTE	
104215	0086AU	AU	2012304700	2012304700	09/04/2012	11/10/2016	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086BR	BR	11 2014 005073 2		09/04/2012		INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086CA	CA	2,847,529	2,847,529	09/04/2012	05/15/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086CN	CN	201280054170.7	ZL201280054170.7	09/04/2012	06/01/2016	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086DE	DE	12 759 592.4	60 2012 045 944.1.	09/04/2012	05/02/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086EP	EP	12 759 592.4	2 754 286	09/04/2012	05/02/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND	

								DEVICE CONTROL SYSTEM
104215	0086ES	ES	12 759 592.4	2 754 286	09/04/2012	05/02/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086FR	FR	12 759 592.4	2 754 286	09/04/2012	05/02/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086GB	GB	12 759 592.4	2 754 286	09/04/2012	05/02/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086IL	IL	231399	231399	09/04/2012	09/30/2017	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086IN	IN	1720/CHENP/2014		09/04/2012		INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086IT	IT	12 759 592.4	502018000022520	09/04/2012	05/02/2018	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM	
104215	0086JP	JP	2014-529,797	6,181,055	09/04/2012	07/28/2017	INTEGRATED	

104215	0086KR	KR	10-2014-7008879	10-1834607	09/04/2012	02/26/2018	PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM
104215	0086MX	MX	MX/A/2014/002568	337584	09/04/2012	03/10/2016	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM
104215	0086NZ	NZ	622100	622100	09/04/2012	05/01/2015	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM
104215	0086RU	RU	2014111332	2612652	09/04/2012	03/13/2017	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM
104215	0086U	US	13/603,026	9,282,194	09/04/2012	03/08/2016	INTEGRATED PRIVATE BRANCH EXCHANGE AND DEVICE CONTROL SYSTEM
104215	0088	US	13/451,310	8,972,858	04/19/2012	03/03/2015	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA

104215	0088AU	AU	2013249648	2013249648	04/08/2013	03/30/2017	CONTROLLER CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088C1	US	14/548,001	9,323,239	11/19/2014	04/26/2016	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088C2	US	15/090,006		04/04/2016		CONFIGURATION USER INTERFACE FOR A HOME AUTOMATION SYSTEM
104215	0088CA	CA	2,870,620	2,870,620	04/08/2013	09/17/2019	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088CND1	CN	201910783776.8		04/08/2013		CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088DE	DE	13 717 680.6	60 2013 030 742.3	04/08/2013	12/13/2017	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088EP	EP	13 717 680.6	2 839 679	04/08/2013	12/13/2017	CONFIGURATION INTERFACE FOR A

								PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088ES	ES	13 717 680.6	2 839 679	04/08/2013	12/13/2017	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0088FR	FR	13 717 680.6	2 839 679	04/08/2013	12/13/2017	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0088GB	GB	13 717 680.6	2 839 679	04/08/2013	12/13/2017	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0088IL	IL	235193	235193	04/08/2013	02/01/2019	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0088IN	IN	8743/DELNP/2014		04/08/2013		CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	
104215	0088IT	IT	13 717 680.6	502018000007405	04/08/2013	12/13/2017	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER	

104215	0088JP	JP	2015-507,038	6,239,589	04/08/2013	11/10/2017	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0088KR	KR	10-2014-7032252	10-1941736	04/08/2013	01/17/2019	CONFIGURATION INTERFACE FOR A PROGRAMMABLE MULTIMEDIA CONTROLLER
104215	0094AU	AU	2014218565	2014218565	02/25/2014	10/19/2017	VIDEO TILING
104215	0094BR	BR	BR 11 2015 020382 5		02/25/2014		VIDEO TILING
104215	0094CA	CA	2,901,957		02/25/2014		VIDEO TILING
104215	0094CN	CN	201480023058.6	ZL201480023058.6	02/25/2014	05/17/2019	METHOD AND APPARATUS FOR VIDEO TILING
104215	0094EP	EP	14 711 348.4		02/25/2014		VIDEO TILING
104215	0094MX	MX	MX/a/2015/010963	355320	02/25/2014	04/16/2018	VIDEO TILING
104215	0094NZ	NZ	711348	711348	02/25/2014	03/22/2019	VIDEO TILING
104215	0094U	US	14/189,618	10,387,007	02/25/2014	08/20/2019	VIDEO TILING
104215	0104C1	US	15/199,509	10,295,999	06/30/2016	05/21/2019	REMOTE MOTION CONTROL USING A WIRELESS MOBILE DEVICE
104215	0104DE	DE	14 723 184.9	60 2014 028 265.2	03/14/2014	07/11/2018	REMOTE MOTION CONTROL USING A GENERAL-PURPOSE WIRELESS MOBILE DEVICE
104215	0104EP	EP	14 723 184.9	2 974 242	03/14/2014	07/11/2018	REMOTE MOTION CONTROL USING A GENERAL-PURPOSE WIRELESS MOBILE DEVICE

								GENERAL-PURPOSE WIRELESS MOBILE DEVICE
104215	0104ES	ES	14 723 184.9	2 974 242	03/14/2014	07/11/2018	REMOTE MOTION CONTROL USING A GENERAL-PURPOSE WIRELESS MOBILE DEVICE	
104215	0104FR	FR	14 723 184.9	2 974 242	03/14/2014	07/11/2018	REMOTE MOTION CONTROL USING A GENERAL-PURPOSE WIRELESS MOBILE DEVICE	
104215	0104GB	GB	14 723 184.9	2 974 242	03/14/2014	07/11/2018	REMOTE MOTION CONTROL USING A GENERAL-PURPOSE WIRELESS MOBILE DEVICE	
104215	0104IT	IT	14 723 184.9	502018000029115	03/14/2014	07/11/2018	REMOTE MOTION CONTROL USING A GENERAL-PURPOSE WIRELESS MOBILE DEVICE	
104215	0104U	US	14/211,774	9,415,849	03/14/2014	08/16/2016	REMOTE MOTION CONTROL USING A WIRELESS MOBILE DEVICE	
104215	0106	US	13/923,826	9,736,616	06/21/2013	08/15/2017	CONFIGURATION CONNECTION DEVICE	
104215	0106AUDI	AU	2018203123	2018203123	06/09/2014	06/27/2019	A CONFIGURATION CONNECTION DEVICE	
104215	0106CA	CA	2,916,248		06/09/2014		A CONFIGURATION CONNECTION DEVICE	



104215	0106CN	CN	201480045939.8	ZL201480045939.8	06/09/2014	06/07/2019	A CONFIGURATION CONNECTION DEVICE
104215	0106EP	EP	14 736 177.8		06/09/2014		A CONFIGURATION CONNECTION DEVICE
104215	0106IL	IL	243256	243256	06/09/2014	04/01/2020	A CONFIGURATION CONNECTION DEVICE
104215	0106IN	IN	11616/DELNP/2015		06/09/2014		A CONFIGURATION CONNECTION DEVICE
104215	0106JP	JP	2016-521,437	6,473,743	06/09/2014	02/01/2019	A CONFIGURATION CONNECTION DEVICE
104215	0106KR	KR	10-2016-7001843		06/09/2014		A CONFIGURATION CONNECTION DEVICE
104215	0107	US	29/471,640	D750,563	11/04/2013	03/01/2016	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0107BR	BR	BR 30 2014 002004 8	BR 30 2014 002004-8	05/05/2014	08/02/2016	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0107CA	CA	156457	156457	05/02/2014	06/16/2015	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0107CN	CN	201430112370.5	ZL201430112370.5	04/30/2014	04/01/2015	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0107EU	EU	2 457 713	002457713-0001	05/05/2014	05/05/2014	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0107JP	JP	2014-009,547	1524160	05/01/2014	04/17/2015	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0107KR	KR	30-2014-22335	30-800421	05/02/2014	06/04/2015	CONTROLLER FOR LIGHTING APPARATUS

104215	0107MX	MX	MX/H/2014/001343	43291		04/30/2014	01/26/2015	LAMP MODULE FOR A LIGHTING CONTROL SYSTEM
104215	0108	US	29/467,372	D714,740		09/18/2013	10/07/2014	WI-FI REMOTE CONTROL
104215	0109	US	13/927,976	9,867,260		06/26/2013	01/09/2018	LIGHTING CONTROLLER
104215	0109AU	AU	2014303010	2014303010		06/16/2014	05/10/2018	LIGHTING CONTROLLER
104215	0109CA	CA	2,916,257	2,916,257		06/16/2014	09/17/2019	LIGHTING CONTROLLER
104215	0109CN	CN	201480036046.7	ZL201480036046.7		06/16/2014	01/01/2019	LIGHTING CONTROLLER
104215	0109DE	DE	14 737 439.1	60 2014 015 392.5		06/16/2014	10/04/2017	LIGHTING CONTROLLER
104215	0109EP	EP	14 737 439.1	3 014 593		06/16/2014	10/04/2017	LIGHTING CONTROLLER
104215	0109ES	ES	14 737 439.1	3 014 593		06/16/2014	10/04/2017	LIGHTING CONTROLLER
104215	0109FR	FR	14 737 439.1	3 014 593		06/16/2014	10/04/2017	LIGHTING CONTROLLER
104215	0109GB	GB	14 737 439.1	3 014 593		06/16/2014	10/04/2017	LIGHTING CONTROLLER
104215	0109IL	IL	243255	243255		06/16/2014	12/27/2019	LIGHTING CONTROLLER
104215	0109IN	IN	11604/DELNP/2015			06/16/2014		LIGHTING CONTROLLER
104215	0109IT	IT	14 737 439.1	502017000149573		06/16/2014	10/04/2017	LIGHTING CONTROLLER
104215	0109JP	JP	2016-523,779	6,309,091		06/16/2014	03/23/2018	LIGHTING CONTROLLER
104215	0109KR	KR	10-2016-7002120	10-2020100		06/16/2014	09/03/2019	LIGHTING CONTROLLER

104215	0110P1	US	14/190,984		02/26/2014		USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PIAU	AU	2015223461	2015223461	02/12/2015	02/28/2019	A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PIBR	BR	BR 11 2016 019732 1		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PICA	CA	2940613		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PICN	CN	201580022424.0		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PIDE	DE	15 708 942.6	60 2015 019 060.2	02/12/2015	10/30/2018	A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PIEP	EP	15 708 942.6	3 111 436	02/12/2015	10/31/2018	A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PIES	ES	15 708 942.6	3 111 436	02/12/2015	10/30/2018	A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE
104215	0110PIFR	FR	15 708 942.6	3 111 436	02/12/2015	10/30/2018	A USER GENERATED

								VIRTUAL ROOM- BASED USER INTERFACE
104215	0110P1GB	GB	15 708 942.6	3 111 436	02/12/2015	10/30/2018	A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE	
104215	0110P1IL	IL	247499		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE	
104215	0110P1IN	IN	201647029129		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE	
104215	0110P1IT	IT	15 708 942.6	502019000003814	02/12/2015	10/30/2018	A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE	
104215	0110P1JP	JP	2016-554,439		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE	
104215	0110P1KR	KR	10-2016-7025900		02/12/2015		A USER GENERATED VIRTUAL ROOM- BASED USER INTERFACE	
104215	0117	US	14/278,385	10,032,364	05/15/2014	07/24/2018	STANDALONE WIRELESS LIGHTING APPLICATION	
104215	0117AU	AU	2015259484	2015259484	05/11/2015	05/02/2019	STANDALONE WIRELESS LIGHTING APPLICATION	

104215	0117BR	BR	I 1 2016 026515 7		05/11/2015		STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117CA	CA	2,949,063		05/11/2015		STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117CN	CN	201580038205.1	ZL201580038205.1	05/11/2015	05/12/2020	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117DE	DE	15 725 166.1	60 2015 028 452.6	05/11/2015	04/17/2019	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117EP	EP	15 725 166.1	3 143 841	05/11/2015	04/17/2019	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117ES	ES	15 725 166.1	3 143 841	05/11/2015	04/17/2019	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117FR	FR	15 725 166.1	3 143 841	05/11/2015	04/17/2019	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117GB	GB	15 725 166.1	3 143 841	05/11/2015	04/17/2019	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117IL	IL	248971		05/11/2015		STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117IN	IN	201617038956		05/11/2015		STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117IT	IT	15 725 166.1	5020190000036267	05/11/2015	04/17/2019	STANDALONE WIRELESS LIGHTING APPLICATION

104215	0117JP	JP	2017-512,648	6,532,939	05/11/2015	05/31/2019	STANDALONE WIRELESS LIGHTING APPLICATION
104215	0117KR	KR	10-2016-7035097		05/11/2015		STANDALONE WIRELESS LIGHTING APPLICATION
104215	0125	US	14/282,734	9,876,652	05/20/2014	01/23/2018	AUTOMATIC CONFIGURATION OF CONTROL DEVICE USER INTERFACE IN A HOME AUTOMATION SYSTEM
104215	0125C1	US	14/561,293	9,306,763	12/05/2014	04/05/2016	PROVIDING A USER INTERFACE FOR DEVICES OF A HOME AUTOMATION SYSTEM
104215	0127	US	14/339,864	10,447,492	07/24/2014	10/15/2019	RESIDENTIAL MANAGEMENT SYSTEM FOR USE WITH A PLURALITY OF HOME AUTOMATION SYSTEMS
104215	0129	US	14/481,575	10,042,336	09/09/2014	08/07/2018	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129CA	CA	2,960,600		09/08/2015		USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129CN	CN	201580060841.4		09/08/2015		USER-DEFINED SCENES FOR HOME AUTOMATION

104215	0129DE	DE	15 767 643.8	60 2015 041 206.0	09/08/2015	11/06/2019	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129EP	EP	15 767 643.8	3 192 217	09/08/2015	11/06/2019	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129ES	ES	15 767 643.8	3 192 217	09/08/2015	11/06/2019	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129FR	FR	15 767 643.8	3 192 217	09/08/2015	11/06/2019	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129GB	GB	15 767 643.8	3 192 217	09/08/2015	11/06/2019	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129IL	IL	251014		09/08/2015		USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129IN	IN	201747008266		09/08/2015		USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129IT	IT	15 767 643.8	502020000004513	09/08/2015	11/06/2019	USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129JPD1	JP	2020-030,073		09/08/2015		USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0129KR	KR	10-2017-7009294		09/08/2015		USER-DEFINED SCENES FOR HOME AUTOMATION
104215	0131U	US	15/347,340		11/09/2016		VOLUME CONTROL FOR AUDIO/VIDEO DEVICES





104215	0148CN	CN	201680024429.1		10/04/2016	AUTOMATION SYSTEM HISTORY-BASED KEY PHASE SUGGESTIONS FOR VOICE CONTROL OF A HOME AUTOMATION SYSTEM
104215	0148EP	EP	16 782 362.4		10/04/2016	HISTORY-BASED KEY PHASE SUGGESTIONS FOR VOICE CONTROL OF A HOME AUTOMATION SYSTEM
104215	0148IL	IL	255244		10/04/2016	HISTORY-BASED KEY PHASE SUGGESTIONS FOR VOICE CONTROL OF A HOME AUTOMATION SYSTEM
104215	0148IN	IN	201747036452		10/04/2016	HISTORY-BASED KEY PHASE SUGGESTIONS FOR VOICE CONTROL OF A HOME AUTOMATION SYSTEM
104215	0148JP	JP	2017-556,619		10/04/2016	HISTORY-BASED KEY PHASE SUGGESTIONS FOR VOICE CONTROL OF A HOME AUTOMATION SYSTEM
104215	0148KR	KR	10-2017-7031179		10/04/2016	HISTORY-BASED KEY SYSTEM

							PHASE SUGGESTIONS FOR VOICE CONTROL OF A HOME AUTOMATION SYSTEM
104215	0149	US	14/875,254	9,806,900	10/05/2015	10/31/2017	WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149AU	AU	2016335987		10/04/2016		WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149CA	CA	2,987,154		10/04/2016		WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149CN	CN	201680031298.X		10/04/2016		WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM

104215	0149EP	EP	16 788 839.5	3 360 347	10/04/2016	WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149IL	IL	255835		10/04/2016	WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149IN	IN	201717041487		10/04/2016	WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149JP	JP	2017-562,019		10/04/2016	WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A HOME AUTOMATION SYSTEM
104215	0149KR	KR	10-2017-7034522		10/04/2016	WIRELESS PROVISIONING AND CONFIGURING OF HARDWARE ELEMENTS OF A

104215	0150	US	14/875,399	10,042,339	10/05/2015	08/07/2018	HOME AUTOMATION SYSTEM CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150AU	AU	2016335997		10/04/2016		CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150C1	US	16/046,455	10,209,693	07/26/2018	02/19/2019	ARCHITECTURE FOR PROVIDING UBIQUITOUS ACCESS TO A HOME AUTOMATION SYSTEM
104215	0150CA	CA	2,990,685		10/04/2016		CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150CN	CN	201680038777.4		10/04/2016		CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150EP	EP	16 785 285 4		10/04/2016		CLOUD- SYSTEM

104215	0150HL	IL	256284		10/04/2016		SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150IN	IN	201747045185		10/04/2016		CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150JP	JP	2017-567,195		10/04/2016		CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0150KR	KR	10-2017-7037432		10/04/2016		CLOUD- SYNCHRONIZED ARCHITECTURE FOR A HOME AUTOMATION SYSTEM
104215	0151	US	14/875,327	10,379,560	10/05/2015	08/13/2019	HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION

104215	0151AU	AU	2016336004		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151CA	CA	2,993,855		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151CN	CN	201680058432.5		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151EP	EP	16 794 452.9		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151IL	IL	258489		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151IN	IN	201817002514		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151JP	JP	2018-515,797		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0151KR	KR	10-2018-7009273		10/04/2016		HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION
104215	0153	US	29/541,434	D776,657	10/02/2015	01/17/2017	CONTROLLER FOR

104215	0159AU	AU	2018214678		02/06/2018	HOME AUTOMATION A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159C1	US	16/254,015		01/22/2019	A/V INTERCONNECTION ARCHITECTURE INCLUDING DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159CA	CA	3,052,791		02/06/2018	A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159CN	CN	201880023227.4		02/06/2018	A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING

						TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159EP	EP	18 706 098.3		02/06/2018	A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159IL	IL	268558		02/06/2018	A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159IN	IN	201917031805		02/06/2018	A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED



104215	0159JP	JP	2019-542,508		02/06/2018	CHANNEL AMPLIFICATION A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0159KR	KR	10-2019-7026303		02/06/2018	A/V INTERCONNECTION ARCHITECTURE INCLUDING AN AUDIO DOWN-MIXING TRANSMITTER A/V ENDPOINT AND DISTRIBUTED CHANNEL AMPLIFICATION
104215	0162AU	AU	2018329837		09/06/2018	CHANNEL AMPLIFICATION SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162CI	US	16/821,626		03/17/2020	SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162CA	CA	3,073,208		09/06/2018	SMALL SCREEN VIRTUAL ROOM- BASED USER

104215	0162CN	CN	201880058065.8		09/06/2018		INTERFACE SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162EP	EP	18 782 831.4		09/06/2018		SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162IL	IL	273111		09/06/2018		SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162IN	IN	202047008088		09/06/2018		SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162JP	JP	2020-513,877		09/06/2018		SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162KR	KR	10-2020-7006452		09/06/2018		SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0162U	US	16/123,731	10,613,704	09/06/2018	04/07/2020	SMALL SCREEN VIRTUAL ROOM- BASED USER INTERFACE
104215	0163AU	AU	201811284	201811284	03/05/2018	03/27/2018	AUDIO SPEAKER SYSTEM
104215	0163CA	CA	180171	180171	03/06/2018	04/29/2019	AUDIO SPEAKER SYSTEM

104215	0163CN	CN	201830084755.3	ZL201830084755.3	03/07/2018	07/30/2019	AUDIO SPEAKER SYSTEM
104215	0163EU1	EU	4 739 225	004739225-0001	03/05/2018	03/05/2018	SPEAKER APPARATUS
104215	0163EU2	EU	4 739 225	004739225-0002	03/05/2018	03/05/2018	SPEAKER APPARATUS
104215	0163IL1	IL	61751	61751	03/07/2018	06/06/2019	SPEAKER
104215	0163IN	IN	303277	303277	03/07/2018	09/09/2019	AUDIO SPEAKER SYSTEM
104215	0163JP	JP	2018-4,721	1611497	03/07/2018	07/27/2018	AUDIO SPEAKER SYSTEM
104215	0163KR	KR	30-2018-11130	30-997266	03/07/2018	03/05/2019	AUDIO SPEAKER SYSTEM
104215	0165	US	29/622,811	D839,226	10/19/2017	01/29/2019	COMPACT AUDIO/VIDEO RECEIVER
104215	0178	US	29/634,462	D876,393	01/22/2018	02/25/2020	IN-WALL LINE ARRAY SPEAKER
104215	0178AU1	AU	201814306	201814306	07/19/2018	10/12/2018	IN-WALL LINE ARRAY SPEAKER
104215	0178AU2	AU	201816089	201816089	07/19/2018	10/12/2018	IN-WALL LINE ARRAY SPEAKER
104215	0178AU3	AU	201816090	201816090	07/19/2018	10/12/2018	IN-WALL LINE ARRAY SPEAKER
104215	0178CA	CA	182587	182587	07/19/2018	07/22/2019	IN-WALL LINE ARRAY SPEAKER
104215	0178CAD1	CA	188112	188112	06/14/2019	07/22/2019	IN-WALL LINE ARRAY SPEAKER
104215	0178EU	EU	5 508 595	5 508 595	07/20/2018	10/01/2018	IN-WALL LINE ARRAY SPEAKER
104215	0178IL	IL	62388	62388	07/19/2018	09/23/2019	IN-WALL LINE ARRAY SPEAKER
104215	0178ILD1	IL	64034	64034	07/19/2018	09/23/2019	IN-WALL LINE ARRAY SPEAKER

104215	0178IN1	IN	307878		07/20/2018		IN-WALL LINE ARRAY SPEAKER
104215	0178IN2	IN	307879		07/20/2018		IN-WALL LINE ARRAY SPEAKER
104215	0178JP	JP	2018-015,911	1624228	07/20/2018	01/18/2019	SPEAKER
104215	0178KR1	KR	30-2018-33636	30-1015422	07/20/2018	07/11/2019	SPEAKER
104215	0178KR2	KR	30-2019-14332	30-1031436	03/28/2019	11/05/2019	SPEAKER
104215	0179PCT	WO	PCT/US2019/014534		01/22/2019		DEVICE MOUNTING SYSTEM
104215	0179U	US	16/254,245		01/22/2019		DEVICE MOUNTING SYSTEM
104215	0184PCT	WO	PCT/US2020/018222		02/14/2020		MULTI-ROLE DEVICES FOR AUTOMATION ENVIRONMENTS
104215	0184U	US	16/790,133		02/13/2020		MULTI-ROLE DEVICES FOR AUTOMATION ENVIRONMENTS
104215	0185	US	29/679,974		02/12/2019		HAND HELD REMOTE
104215	0186	US	29/679,987		02/12/2019		HAND HELD REMOTE
104215	0187	US	29/680,130		02/13/2019		HAND HELD REMOTE
104215	0188	US	29/680,127		02/13/2019		HAND HELD REMOTE
104215	0189	US	16/442,987		06/17/2019		BATTERY-ASSISTED POWER-OVER-ETHERNET POWERED DEVICE
104215	0189PCT	WO	PCT/US2020/037857		06/16/2020		BATTERY-ASSISTED POWER-OVER-ETHERNET POWERED DEVICE
104215	0193	US	29/704,980		09/09/2019		HAND HELD REMOTE
104215	0193AU	AU	202011353	202011353	03/05/2020	04/09/2020	HAND HELD REMOTE

104215	0193CA	CA	193604		03/09/2020		HAND HELD REMOTE
104215	0193EU	EU	007733100	007733100-0001	03/05/2020	03/05/2020	HAND HELD REMOTE
104215	0193IL	IL	64833		03/08/2020		HAND HELD REMOTE
104215	0193IN	IN	327964-001		03/06/2020		HAND HELD REMOTE
104215	0193JP	JP	2020-004379		03/05/2020		REMOTE CONTROLLER
104215	0193KR	KR	30-2020-10428		03/09/2020		HAND HELD REMOTE
104215	0194	US	29/704,991		09/09/2019		HAND HELD REMOTE
104215	0194AU	AU	202011352	202011352	03/05/2020	04/09/2020	HAND HELD REMOTE
104215	0194CA	CA	193602		03/09/2020		HAND HELD REMOTE
104215	0194EU	EU	007734322	007734322-0001	03/05/2020	03/05/2020	HAND HELD REMOTE
104215	0194IL	IL	64832		03/08/2020		HAND HELD REMOTE
104215	0194IN	IN	327965-001		03/06/2020		HAND HELD REMOTE
104215	0194JP	JP	2020-004380		03/05/2020		REMOTE CONTROLLER
104215	0194KR	KR	30-2020-10427		03/09/2020		HAND HELD REMOTE
104215	0195R	US	62/898,941		09/11/2019		THREE DIMENSIONAL VIRTUAL ROOM- BASED USER INTERFACE FOR A HOME AUTOMATION SYSTEM
104215	0196R	US	62/899,166		09/12/2019		CIRCADIAN LIGHTING IN A DIVERSE HOME AUTOMATION SYSTEM
104215	0197R	US	62/899,004		09/11/2019		REDUNDANT CONTROL FOR WIRELESS DEVICES IN A HOME AUTOMATION

SYSTEM

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124169-US-1	10/631109	2003-07-31	6952081	2005-10-04	FLUORESCENT LAMP HAVING ULTRAVIOLET REFLECTING LAYER
125674-US-1	10/626147	2003-07-24	6992432	2006-01-31	FLUORESCENT LAMP
126013-CN-2	02809084.5	2002-03-29	02809084.5	2007-04-25	HEAT DISSIPATION SYSTEM FOR HIGH POWER LED LIGHTING SYSTEM
126013-US-1	09/681400	2001-03-29	6481874	2002-11-19	HEAT DISSIPATION SYSTEM FOR HIGH POWER LED LIGHTING SYSTEM
126018-US-1	10/064772	2002-08-15	6805458	2004-10-19	NIGHT LIGHT FOR PLUMBING FIXTURES
126020-CN-2	02812366.2	2002-05-24	02812366.2	2009-08-05	HIGH POWER LED POWER PACK FOR SPOT MODULE ILLUMINATION

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126020-JP-3	2003-500968	2002-05-24	4452495	2010-02-05	LED POWER PACK FOR SPOT MODULE ILLUMINATION
126020-US-1	10/063924	2002-05-24	6799864	2004-10-05	HIGH POWER LED POWER PACK FOR SPOT MODULE ILLUMINATION
126030-US-1	09/682535	2001-09-17	6773139	2004-08-10	VARIABLE OPTICS SPOT MODULE
126042-CN-9	03823757.1	2003-09-19	03823757.1	2012-11-28	LED-BASED MODULAR LAMP
126042-EP-2	03754619.9	2003-09-09	1547447	2008-07-16	LED-BASED MODULAR LAMP
126042-JP-7	2004-543297	2003-09-19	4350648	2009-07-31	LED-BASED MODULAR LAMP
126042-US-1	10/065320	2002-10-03	6787999	2004-09-07	LED-BASED MODULAR LAMP
126053-CN-5	03824703.8	2003-08-29	100468791C	2009-03-11	COATED LED WITH IMPROVED EFFICIENCY
126053-DE-19	08004649.3	2003-08-29	1930959	2019-05-08	Phosphor-coated led with improved efficiency
126053-EP-16	08004649.3	2003-08-29	1930959	2019-05-08	Phosphor-coated led with improved efficiency

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126053-FR-18	08004649.3	2003-08-29	1930959	2019-05-08	Phosphor-coated led with improved efficiency
126053-GB-20	08004649.3	2003-08-29	1930959	2019-05-08	Phosphor-coated led with improved efficiency
126053-JP-15	2004-532037	2003-08-29			COATED LED WITH IMPROVED EFFICIENCY
126053-US-2	10/525697	2003-08-29	7479662	2009-01-20	COATED LED WITH IMPROVED EFFICIENCY
133068-CN-10	200480015658.4	2004-05-05	200480015658.4	2009-08-12	NA
133068-US-2	10/555913	2004-05-05	7635203	2009-12-22	METHOD AND APPARATUS FOR LED PANEL LAMP SYSTEMS
133814-CN-3	200480015673.9	2004-05-05	200480015673.9	2010-11-24	LED-BASED LIGHT BULB
133814-CN-7	201010226198.7	2004-05-05	201010226198.7	2013-10-30	LED-BASED SPECIALTY LIGHT BULB
133814-DE-14	04751681.0	2004-05-05	1627178	2018-11-07	LED-BASED LIGHT BULB
133814-EP-10	04751681.0	2004-05-05	1627178	2018-11-07	LED-BASED LIGHT BULB
133814-FR-13	04751681.0	2004-05-05	1627178	2018-11-07	LED-BASED LIGHT BULB
133814-GB-15	04751681.0	2004-05-05	1627178	2018-11-07	LED-BASED LIGHT BULB



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133814-JP-12	2011-110613	2004-05-05	5815982	2015-10-02	LED-BASED LIGHT BULB
133814-JP-9	2006-514328	2004-05-05	5566564	2014-06-27	LED-BASED LIGHT BULB
133814-US-2	10/555721	2004-05-05			LED-BASED LIGHT BULB
133814-US-4	13/424785	2012-03-20			LED-BASED LIGHT BULB
133814-US-5	13/424805	2012-03-20			LED-BASED LIGHT BULB
133814-US-6	13/424835	2012-03-20	9944519	2018-04-17	LED-BASED LIGHT BULB
149581-CN-12	200580020335.9	2005-04-25			LIGHT EMITTING DIODE COMPONENT
149581-CN-13	201310632677.2	2005-04-25			LIGHT EMITTING DIODE COMPONENT
149581-DE-16					LIGHT EMITTING DIODE COMPONENT
149581-EP-14	05740241.4	2005-04-25	1743358	2019-05-15	LIGHT EMITTING DIODE COMPONENT
149581-GB-18					LIGHT EMITTING DIODE COMPONENT
149581-JP-9	2007-510852	2005-04-25	5503844	2014-03-20	Light Emitting Diode Component
149581-NL-17					LIGHT EMITTING DIODE COMPONENT

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149581-US-3	12/884612	2010-09-17	8362695	2013-01-29	LIGHT EMITTING DIODE COMPONENT
149581-US-5	12/884717	2010-09-17	8436380	2013-05-07	LIGHT EMITTING DIODE COMPONENT
149581-US-6	13/886878	2013-05-03			Light Emitting Diode Component
149581-US-7	14/062169	2013-10-24	10,340,424	2019-07-02	LIGHT EMITTING DIODE COMPONENT
157901-US-1	10/909564	2004-08-02	7768189	2010-08-03	WHITE LEDs WITH TUNABLE CRI
208435-US-1	11/531170	2006-09-12	8322889	2012-12-04	PIEZOFAN AND HEAT SINK SYSTEM FOR ENHANCED HEAT TRANSFER
208936-CN-3	200780041780.2	2007-10-31	ZL200780041780.2	2011-11-09	DISCHARGE LAMP WITH HIGH COLOR TEMPERATURE
208936-JP-5	2009-536391	2007-10-31	5325788	2013-07-26	DISCHARGE LAMP WITH HIGH COLOR TEMPERATURE
208936-US-1	11/595632	2006-11-09	7486026	2009-02-03	DISCHARGE LAMP WITH HIGH COLOR TEMPERATURE
223739-US-2	14/295486	2014-06-04	9954145	2018-04-24	White LEDs with enhanced color contrast

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225887-CN-7	201510252878.9	2008-10-07	104992895	2017-12-12	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-DE-9	602008061725.4	2008-10-07	2210264	2019-11-27	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-EP-5	08839772.4	2008-10-07	2210264	2019-11-27	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-FR-8	08839772.4	2008-10-07	2210264	2019-11-27	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-GB-10	08839772.4	2008-10-07	2210264	2019-11-27	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-JP-6	2010-530027	2008-10-07	5384507	2013-10-11	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-US-1	11/873463	2007-10-17	8278814	2012-10-02	ENHANCED COLOR CONTRAST LIGHT SOURCE
225887-US-2	12/246110	2008-10-06	8994261	2015-03-31	ENHANCED COLOR CONTRAST LIGHT SOURCE

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229449-CN-3	200980152842.6	2009-09-03	102265378	2017-03-15	ENHANCED COLOR CONTRAST LIGHT SOURCE AT HIGH COLOUR TEMPERATURE
229449-JP-5	2011-533202	2009-09-03	5543974	2014-05-16	ENHANCED COLOR CONTRAST LIGHT SOURCE AT ELEVATED COLOR TEMPERATURES
229449-US-1	12/256227	2008-10-22	8373338	2013-02-12	ENHANCED COLOR CONTRAST LIGHT SOURCE AT ELEVATED COLOR TEMPERATURES
233149-CN-2	201010272829.9	2010-08-27	201010272829.9	2015-11-25	APPARATUS FOR COUPLING BETWEEN A LIGHT EMITTING DIODE AND A LIGHT GUIDE
233149-JP-4	2010-188947	2010-08-26	5739629	2015-05-01	LIGHT EMITTING DIODE-LIGHT GUIDE COUPLING APPARATUS
233149-KR-6	20180083632	2018-07-18	10-2025016	2019-09-18	LIGHT EMITTING DIODE-LIGHT GUIDE COUPLING APPARATUS

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233149-US-1	12/549530	2009-08-28	8066417	2011-11-29	LIGHT EMITTING DIODE-LIGHT GUIDE COUPLING APPARATUS
233617-CN-4	200980153745.9	2009-11-24	200980153745.9	2013-11-13	SOLID STATE ILLUMINATION SYSTEM WITH IMPROVED COLOR QUALITY
233617-JP-6	2011-543527	2009-11-24			SOLID STATE ILLUMINATION SYSTEM WITH IMPROVED COLOR QUALITY
233617-JP-8	2015-040830	2009-11-24	6063500	2016-12-22	Enhanced Color Contrast LED Light Source
233617-US-1	12/345820	2008-12-30	8247959	2012-08-21	SOLID STATE ILLUMINATION SYSTEM WITH IMPROVED COLOR QUALITY
233963-CN-4	200980135590.6	2009-08-12	200980135590.6	2014-04-03	ADJUSTABLE COLOR SOLID STATE LIGHTING
233963-EP-5	09791416.2	2009-08-12	2335453	2020-03-25	ADJUSTABLE COLOR SOLID STATE LIGHTING
233963-US-1	12/209490	2008-09-12	7986102	2011-07-26	ADJUSTABLE COLOR SOLID STATE LIGHTING

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236292-CA-12	2805039	2011-06-14	2805039	2018-06-26	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236292-CN-1	2010102229860.4	2010-07-14	ZL2010102229860.4	2015-06-17	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236292-IN-8	11324/DELNP/2012	2011-06-14			SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236292-JP-6	2013-519692	2011-06-14	5786025	2015-07-31	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236292-KR-13	1020137003623	2011-06-14	10-2077129	2020-02-07	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236292-MX-4	MX/a/2013/000479	2011-06-14	331136	2015-06-25	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236292-US-11	13/810109	2011-06-14	9516723B2	2016-12-06	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
236292-VN-7	1-2013-00297	2011-06-14	18838	2018-03-20	SYSTEM AND METHOD FOR DRIVING LIGHT EMITTING DIODES
236548-CA-13	3,060,689	2011-01-07			COMPACT LIGHT-MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME
236548-CA-5	2786510	2011-01-07			COMPACT LIGHT-MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME
236548-CN-6	201180013439.2	2011-01-07	102859257	2016-01-27	COMPACT LIGHT-MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME
236548-JP-8	2012-548131	2011-01-07	6018920	2016-10-07	COMPACT LIGHT-MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
236548-KR-9	1020127021131	2011-01-07	10-1921339	2018-11-16	COMPACT LIGHT-MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME
236548-US-1	12/685287	2010-01-11	8613530	2013-12-24	COMPACT LIGHT-MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME
236548-US-12	14/083597	2013-11-19	9534743	2017-01-03	COMPACT LIGHT MIXING LED LIGHT ENGINE AND WHITE LED LAMP WITH NARROW BEAM AND HIGH CRI USING SAME
238249-US-1	12/823534	2010-06-25	8651708	2014-02-18	HEAT TRANSFER SYSTEM FOR A LIGHT EMITTING DIODE (LED) LAMP
238658-CN-4	2011180054064.4	2011-10-07	103180659	2016-08-31	LED LAMP
238658-US-1	12/942053	2010-11-09			LED LAMP



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
239224-CN-4	201080048166.0	2010-08-10	201080048166.0	2014-05-07	HIGH EFFICIENCY LOW POWER CAPACITOR CHARGED DC DRIVER
239224-EP-5	10742392.3	2010-08-10	2491762	2018-10-17	HIGH EFFICIENCY LOW POWER CAPACITOR CHARGED DC DRIVER
239224-JP-6	2012-535202	2010-08-10	5690345	2015-02-06	HIGH EFFICIENCY LOW POWER CAPACITOR CHARGED DC DRIVER
239224-US-1	12/603340	2009-10-21	7960922	2011-06-14	HIGH EFFICIENCY LOW POWER CAPACITOR CHARGED DC DRIVER
240966-CN-12	2016109308322	2010-10-01			LED lamp having a spherical diffuser
240966-CN-3	201080054756.4	2010-10-01			LED lamp having a spherical diffuser
240966-KR-13	10-2018-7028878	2010-10-01	10-2070976	2020-01-21	LIGHT EMITTING DIODE (LED) BASED LAMP
240966-KR-9	1020127011454	2010-10-01			LED lamp having a spherical diffuser

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240966-US-1	12/572339	2009-10-02	9103507	2015-08-11	LED LAMP WITH UNIFORM OMNIDIRECTIONAL LIGHT INTENSITY OUTPUT
240966-US-11	15/158978	2016-05-19			LED LAMP WITH UNIFORM OMNIDIRECTIONAL LIGHT INTENSITY OUTPUT
240966-US-4	14/205542	2014-03-12	9618165	2017-04-11	LED LAMP WITH UNIFORM OMNIDIRECTIONAL LIGHT INTENSITY OUTPUT
240966-US-5	14/183013	2014-02-18	9360166B2	2016-06-07	LED lamp having a spherical diffuser
241019-CN-6	201180005962.0	2011-01-11	201180005962.0	2015-11-25	TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
241019-EP-4	11708124.0	2011-01-11			TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT
241019-JP-11	2015-212729	2011-01-11	6193330	2017-09-06	Transparent Heat Fins - Transparent Thermally Conductive Polymer Composites For Light Source Thermal Management
241019-JP-8	2012-548995	2011-01-11	6139134	2017-05-12	TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT
241019-KR-13	1020187004495	2011-01-11			TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
241019-KR-9	1020127020972	2011-01-11	101847657	2018-04-04	TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT
241019-MX-10	MX/a/2012/008009	2011-01-11	338717	2016-04-28	TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT
241019-MX-12	2016001608	2011-01-11	349604	2017-08-04	TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT.
241019-US-2	12/979611	2010-12-28	8541933	2013-09-24	TRANSPARENT THERMALLY CONDUCTIVE POLYMER COMPOSITES FOR LIGHT SOURCE THERMAL MANAGEMENT

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241200-CN-11	201080054757.9	2010-10-01	201080054757.9	2015-10-07	Heatsink design for uniform optical output of a LED lamp with spherical diffuser
241200-CN-7	201030545633.3	2010-10-08	201030545633.3	2011-06-22	LED LAMP
241200-JP-14	2010-023996	2010-10-06	1423574	2011-08-19	Light Emitting Diode (LED) Based Light Bulb
241200-JP-15	2010-023995	2010-10-06	1423363	2011-08-19	Light Emitting Diode (LED)-Based Light Bulb
241200-US-1	12/572480	2009-10-02	8593040	2013-11-26	LED LAMP
241200-US-12	14/062317	2013-10-24	9951938	2018-04-24	LED LAMP
241200-US-2	29/359239	2010-04-07	D658788	2012-05-01	LED LAMP
242014-US-1	12/711000	2010-02-23	8434906	2013-05-07	LIGHTING SYSTEM WITH THERMAL MANAGEMENT SYSTEM
243154-US-1	12/886014	2010-09-20	8324793	2012-12-04	RARE EARTH DOPED LUMINESCENT MATERIAL
244477-US-1	12/822485	2010-06-24	8564217	2013-10-22	Apparatus and Method for Reducing Acoustical Noise in Synthetic Jets

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
244671-BR-8	112012025157-0	2011-03-18	BR112012025157-0	2020-01-14	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244671-CN-4	201180027211.9	2011-03-18	102939501	2016-05-11	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244671-JP-15	2016-177353	2011-03-18	6321101	2018-04-13	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244671-JP-9	2013-502622	2011-03-18	6321101	2018-04-13	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244671-KR-10	1020127028368	2011-03-18			LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244671-MX-6	MX/a/2012/011434	2011-03-18	317382	2014-01-22	Lightweight Heat Sinks and LED Lamps Employing Same
244671-US-2	12/979529	2010-12-28	8668356	2014-03-11	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
244773-CN-23	2018102156900	2011-03-18			LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244773-KR-24	10-2018-7005011	2018-02-20			LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
244773-MX-5	MX/a/2012/011433	2011-03-18	317299	2014-01-20	Lightweight Heat Sinks and LED Lamps Employing Same
244773-US-2	12/979476	2010-12-28	10,240,772	2019-03-26	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
245146-CN-4	201080070988.9	2010-12-31	103261777	2016-10-12	LED LAMP
245146-KR-7	1020137016970	2010-12-31			LED LAMP
245146-MX-5	MX/a/2013/007701	2010-12-31	324190	2014-10-06	LED LAMP
245146-US-2	13/336392	2011-12-23	8480257	2013-07-09	LED LAMP
245224-CN-4	201180057758.3	2011-03-18	103238027	2017-03-29	Multifunctional HeatFins for LED Lamp Optical and Thermal Management

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245224-ID-8	W00201301695	2011-03-18	IDP000053510	2018-09-19	Multifunctional HeatFins for LED Lamp Optical and Thermal Management
245224-JP-9	2013-531566	2011-03-18	5815716	2015-10-02	Multifunctional HeatFins for LED Lamp Optical and Thermal Management
245224-MX-5	MX/a/2013/003422	2011-03-18	325708	2014-11-27	LIGHTWEIGHT HEAT SINKS AND LED LAMPS
245224-US-2	12/979573	2010-12-28	8672516	2014-03-18	LIGHTWEIGHT HEAT SINKS AND LED LAMPS EMPLOYING SAME
245224-VN-11	1201301341	2011-03-18	17098	2017-06-20	Multifunctional HeatFins for LED Lamp Optical and Thermal Management
245284-CN-8	201180036888.9	2011-07-25	103081567	2016-03-23	PHOSPHOR SUSPENDED IN SILICONE, MOLDED/FORMED AND USED IN A REMOTE PHOSPHOR CONFIGURATION



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
245284-JP-6	2013-521870	2011-07-25	5868404	2016-01-15	PHOSPHOR SUSPENDED IN SILICONE, MOLDED/FORMED AND USED IN A REMOTE PHOSPHOR CONFIGURATION
245284-KR-7	1020137004798	2011-07-25	101885933	2018-08-06	PHOSPHOR SUSPENDED IN SILICONE, MOLDED/FORMED AND USED IN A REMOTE PHOSPHOR CONFIGURATION
245284-US-2	13/187592	2011-07-21	8835199	2014-09-16	PHOSPHOR SUSPENDED IN SILICONE, MOLDED/FORMED AND USED IN A REMOTE PHOSPHOR CONFIGURATION
245302-US-2	12/896314	2010-10-01	8414151	2013-04-09	LIGHT EMITTING DIODE (LED) BASED LAMP

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
245808-CN-4	201280012770.7	2012-02-21	103430623	2016-08-24	AUTO-SWITCHING TRIAC COMPATABILITY CIRCUIT WITH AUTO-LEVELING AND OVERVOLTAGE PROTECTION
245808-MX-5	MX/a/2013/010432	2012-02-21	323581	2014-09-10	AUTO-SWITCHING TRIAC COMPATABILITY CIRCUIT WITH AUTO-LEVELING AND OVERVOLTAGE PROTECTION
245808-US-1	13/045921	2011-03-11	8497636	2013-07-30	AUTO-SWITCHING TRIAC COMPATABILITY CIRCUIT WITH AUTO-LEVELING AND OVERVOLTAGE PROTECTION
246726-CN-4	201180058920.3	2011-10-26	201180058920.3	2015-09-30	DRIVER CIRCUIT WITH PRIMARY SIDE STATE ESTIMATOR FOR INFERRED OUTPUT CURRENT FEED BACK SENSING

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246726-JP-6	2013-543169	2011-10-26	5890844	2016-02-26	DRIVER CIRCUIT WITH PRIMARY SIDE STATE ESTIMATOR FOR INFERRED OUTPUT CURRENT FEED BACK SENSING
246726-KR-5	1020137014791	2011-10-26	10-1929989	2018-12-11	DRIVER CIRCUIT WITH PRIMARY SIDE STATE ESTIMATOR FOR INFERRED OUTPUT CURRENT FEED BACK SENSING
246726-MX-7	MX/a/2013/006524	2011-10-26	320062	2014-05-12	DRIVER CIRCUIT WITH PRIMARY SIDE STATE ESTIMATOR FOR INFERRED OUTPUT CURRENT FEED BACK SENSING
246726-US-1	12/963752	2010-12-09	8461766	2013-06-11	DRIVER CIRCUIT WITH PRIMARY SIDE STATE ESTIMATOR FOR INFERRED OUTPUT CURRENT FEED BACK SENSING
246862-US-1	12/963882	2010-12-09	8866403	2014-10-21	3-WAY, PHASE-CUT DIMMABLE LED DRIVER

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247169-US-1	29/434399	2012-10-12	D715462	2014-10-14	Light Emitting Diode LED Based Light Bulb
247169-US-2	29/434389	2012-10-12	D715972	2014-10-21	Light Emitting Diode LED Based Light Bulb
248343-US-1	12/908954	2010-10-21	8529097	2013-09-10	LIGHTING SYSTEM WITH HEAT DISTRIBUTION FACE PLATE
250388-CN-5	201180065492.7	2011-12-21	103354886	2016-08-10	LED LIGHT ENGINE/HEAT SINK ASSEMBLY
250388-IN-9	5368/DELNP/2013	2011-12-21			LED LIGHT ENGINE/HEAT SINK ASSEMBLY
250388-JP-6	2013-550473	2011-12-21	5855135	2015-12-18	LED LIGHT ENGINE/HEAT SINK ASSEMBLY
250388-BR-7	112013018378-0	2011-12-21	BR112013018378-0	2020-03-24	LED LIGHT ENGINE/HEAT SINK ASSEMBLY
250388-KR-10	1020137018979	2011-12-21	10-1920510	2018-11-14	LED LIGHT ENGINE/HEAT SINK ASSEMBLY
250388-MX-8	MX/a/2013/008428	2011-12-21	325568	2014-11-20	LED LIGHT ENGINE/HEAT SINK ASSEMBLY

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
250388-US-2	13/323038	2011-12-12	9127816	2015-09-08	LED LIGHT ENGINE/HEAT SINK ASSEMBLY
250633-CN-3	201280047889.8	2012-08-31	103828016	2017-03-22	STRONTIUM PHOSPHOR BLENDS HAVING HIGH CRI
251567-CA-5	2838664	2012-06-13	5,788,887	2019-11-26	LED ARRAY AUXILIARY POWER SUPPLY
251567-CN-4	201280030669.4	2012-06-13	103609199	2016-09-07	LED ARRAY AUXILIARY POWER SUPPLY
251567-KR-6	1020137033911	2012-06-13	10-1991973	2019-06-17	LED ARRAY AUXILIARY POWER SUPPLY
251567-US-1	13/164985	2011-06-21	9167651	2015-10-20	LED ARRAY AUXILIARY POWER SUPPLY
251712-CN-5	201280023378.2	2012-05-11	103534785	2016-12-14	LAMP WITH PHOSPHOR COMPOSITION FOR IMPROVED LUMEN PERFORMANCE, AND METHOD FOR MAKING SAME

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
251712-US-2	13/287252	2011-11-02	8704438	2014-04-22	LAMP WITH PHOSPHOR COMPOSITION FOR IMPROVED LUMEN PERFORMANCE, AND METHOD FOR MAKING SAME
252164-CA-2	142667	2011-10-18	142667	2012-05-25	LIGHT BULB
252164-CN-3	201130416190.2	2011-10-28	302204743S	2012-10-08	LIGHT BULB
252164-US-1	29/390823	2011-04-29	D646409	2011-10-04	LIGHT BULB
252402-EP-4	12722047.3	2012-05-11			DIMMABLE LED LAMP
252402-US-2	13/436040	2012-03-30	8933642	2015-01-13	DIMMABLE LED LAMP
252892-US-1	13/288429	2011-11-03	8928188	2015-01-06	EARTH LEAKAGE POWER SUPPLY WITH BYPASS
253249-US-1	13/674548	2012-11-12	8814393	2014-08-26	A LIGHTING ASSEMBLY
253430-CN-4	201280059252.0	2012-11-06	103959421	2017-03-08	WITH IMPROVED LUMEN TO MAINTAIN A FLUORESCENT LAMP AND A MERCURY CONSUMPTION

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
253430-US-1	13/309668	2011-12-02	8629608	2014-01-14	FLUORESCENT LAMP OF IMPROVED LUMEN MAINTENANCE
					AND MERCURY CONSUMPTION
253990-US-1	29/404991	2011-10-27	D668362	2012-10-02	LAMP
253992-JP-2	2012-008926	2012-04-17	1458769	2012-11-30	LAMP
253992-MX-3	MX/F/2012/001322	2012-04-27	38663	2013-05-10	LAMP
253992-US-1	29/404955	2011-10-27	D668361	2012-10-02	LAMP
254037-CA-4	2852884	2012-07-12			LIGHTING APPARATUS WITH A LIGHT SOURCE COMPRISING LIGHT EMITTING DIODES
254037-CA-7	3,045,691	2019-06-10			LIGHTING APPARATUS WITH A LIGHT SOURCE COMPRISING LIGHT EMITTING DIODES

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
254037-US-1	13/189052	2011-07-22	8608347	2013-12-17	LIGHTING APPARATUS WITH A LIGHT SOURCE COMPRISING LIGHT EMITTING DIODES
254037-US-3	14/079992	2013-11-14	9416952B2	2016-08-16	LIGHTING APPARATUS WITH A LIGHT SOURCE COMPRISING LIGHT EMITTING DIODES
254047-CN-2	201230017702.2	2012-01-20	201230017702.2	2013-02-13	LAMP
254047-EM-5	1310809	2012-01-20	1310809-0001	2012-01-20	LAMP
254047-MX-4	MX/F/2012/000249	2012-01-20	38269	2013-03-14	LAMP
254047-US-1	29/397912	2011-07-22	D660991	2012-05-29	LAMP
254088-CN-4	201280066241.5	2012-10-05	104025710	2018-06-08	LIGHTING DEVICE INCLUDING A DRIVE DEVICE CONFIGURED FOR DIMMING LIGHTEMITTING DIODES



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
254088-EP-3	12773479.6	2012-10-05			PATENT APPLICATION TITLE LIGHTING DEVICE INCLUDING A DRIVE DEVICE CONFIGURED FOR DIMMING LIGHTEMITTING DIODES
254088-KR-5	20147015329	2012-10-05	10-2013971	2019-08-19	LIGHTING DEVICE INCLUDING A DRIVE DEVICE CONFIGURED FOR DIMMING LIGHTEMITTING DIODES
254088-US-1	13/290589	2011-11-07	9730294	2017-08-08	LIGHTING DEVICE INCLUDING A DRIVE DEVICE CONFIGURED FOR DIMMING LIGHT-EMITTING DIODES
256956-CA-7	2862702	2013-01-30	5,789,115	2019-11-28	OPTICAL SYSTEM AND LIGHTING DEVICE COMPRISED THEREOF
256956-CN-3	201380007897.4	2013-01-30	104145158	2017-10-27	OPTICAL SYSTEM AND LIGHTING DEVICE COMPRISED THEREOF

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
256956-NZ-6	627462	2013-01-30			OPTICAL SYSTEM AND LIGHTING DEVICE COMPRISED THEREOF
256956-US-1	13/365949	2012-02-03	9464784B2	2016-10-11	OPTICAL SYSTEM AND LIGHTING DEVICE COMPRISED THEREOF
257842-CA-4	2896444	2013-09-24			LONG-RANGE ULTRASONIC OCCUPANCY SENSOR WITH REMOTE TRANSMITTER
257842-CN-3	201380068982.1	2013-09-24	104995995	2017-10-31	LONG-RANGE ULTRASONIC OCCUPANCY SENSOR WITH REMOTE TRANSMITTER
257842-US-1	13/664723	2012-10-31	10085324	2018-09-25	LONG-RANGE ULTRASONIC OCCUPANCY SENSOR WITH REMOTE TRANSMITTER

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
258399-CA-9	2879388	2013-06-27	2,879,388	2018-11-27	OMNI-DIRECTIONAL REFLECTOR COMPRISING A FRUSTO-CONICAL SURFACE FOR A LIGHT-EMITTING DIODE
258399-CN-10	201611095526.8	2013-06-27	ZL201611095526.8	2019-09-24	Inner lens optics for Omnidirectional lamp
258399-CN-4	201380041269.8	2013-06-27	104755988	2017-07-28	OMNI-DIRECTIONAL REFLECTOR COMPRISING A FRUSTO-CONICAL SURFACE FOR A LIGHT-EMITTING DIODE
258399-KR-7	1020157005463	2013-06-27			OMNI-DIRECTIONAL REFLECTOR COMPRISING A FRUSTO-CONICAL SURFACE FOR A LIGHT-EMITTING DIODE

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
258399-MX-5	MX/A/2015/001515	2013-06-27	338948	2016-05-05	OMNI-DIRECTIONAL REFLECTOR COMPRISING A FRUSTO-CONICAL SURFACE FOR A LIGHT-EMITTING DIODE
259427-US-1	29/418358	2012-04-16	D691745	2013-10-15	Light Emitting Diode Lamp
260056-CN-2	201510588061.9	2015-09-16			COMPOSITIONS AND METHODS FOR MODIFYING LUMEN MAINTENANCE CHARACTERISTICS OF PHOSPHOR-CONTAINING COATINGS
260056-US-1	14/487788	2014-09-16	9269559B1	2016-02-23	COMPOSITIONS AND METHODS FOR MODIFYING LUMEN MAINTENANCE CHARACTERISTICS OF PHOSPHOR-CONTAINING COATINGS
260163-CA-9	2905246	2014-02-21	2,905,246	2019-01-08	Optical system for BR LED replacement lamps

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260163-CN-6	201480027463.5	2014-02-21	ZL201480027463.5	2019-04-19	Optical system for BR LED replacement lamps
260163-JP-7	2016-500327	2014-02-21	6360145	2018-06-29	Optical system for BR LED replacement lamps
260163-KR-8	1020157028302	2014-02-21	101938034	2019-01-07	OPTICAL SYSTEM FOR A DIRECTIONAL LAMP
260163-MX-4	MX/A/2015/012160	2014-02-21	349762	2017-08-10	Optical system for BR LED replacement lamps
260163-US-1	13/802987	2013-03-14	9188312	2015-11-17	OPTICAL SYSTEM FOR A DIRECTIONAL LAMP
260242-CA-4	2896452	2013-11-08			SYSTEM AND METHOD FOR MONITORING USE OF A LAMP
260242-CN-5	201380072423.8	2013-11-08	104956770	2018-05-11	SYSTEM AND METHOD FOR MONITORING USE OF A LAMP
260242-KR-7	10-2015-7017930	2013-11-08			SYSTEM AND METHOD FOR MONITORING USE OF A LAMP
260242-TW-3	102143590	2013-11-28	I606414	2017-11-21	SYSTEM AND METHOD FOR MONITORING USE OF A LAMP

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
260242-US-1	13/706511	2012-12-06	9767522	2017-09-19	SYSTEM AND METHOD FOR MONITORING USE OF A LAMP
260242-US-8	15/685427	2017-08-24			SYSTEM AND METHOD FOR MONITORING USE OF A LAMP
260556A-CN-3	201390000447.8	2013-05-03	201390000447.8	2015-09-23	OPTICS SYSTEM FOR SOLID STATE LIGHTING APPARATUS
260556-EP-4	13724956.1	2013-05-03	2844916	2019-04-03	LAMP WITH HEAT SINK AND ACTIVE COOLING DEVICE
260556-GB-8	13724956.1		2844916	2019-04-03	LED LAMP
260556-US-2	29/420071	2012-05-04	D674927	2013-01-22	LED LAMP
262372-US-1	13/665959	2012-11-01	9500355B2	2016-11-22	LAMP WITH LIGHT EMITTING ELEMENTS SURROUNDING ACTIVE COOLING DEVICE

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
262376-CN-6	02828483.6	2002-08-13	02828483.6	2008-12-03	LAMP TRANSFORMER FOR USE WITH AN ELECTRONIC DIMMER AND METHOD FOR USE THEREOF FOR REDUCING ACOUSTIC NOISE
262376-DE-7	02755612.5	2002-08-13	1466400	2005-11-02	LAMP TRANSFORMER FOR USE WITH AN ELECTRONIC DIMMER AND METHOD FOR USE THEREOF FOR REDUCING ACOUSTIC NOISE
262376-US-2	10/277683	2002-10-23	6713974	2004-03-30	LAMP TRANSFORMER FOR USE WITH AN ELECTRONIC DIMMER AND METHOD FOR USE THEREOF FOR REDUCING ACOUSTIC NOISE
262381-US-1	12/324948	2008-11-28	8203276	2012-06-19	PHASE CONTROLLED DIMMING LED DRIVER SYSTEM AND METHOD THEREOF

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
262382-US-1	13/039842	2011-03-03	9167641	2015-10-20	PHASE CONTROLLED DIMMING LED DRIVER SYSTEM AND METHOD THEREOF
263270-US-1	14/104034	2013-12-12	9332602B2	2016-05-03	LED DRIVER WITH TRANSFORMERLESS HYSTERETIC BOOST
263287-US-1	13/710782	2012-12-11	9587820	2017-03-07	ACTIVE COOLING DEVICE
263444-US-1	12/342471	2008-12-23	8193717	2012-06-05	Controller and method for controlling an intensity of a Light Emitting Diode (LED) using a conventional AC dimmer
263996-CA-4	2922489	2014-07-25			THREE-WAY LAMP WITH PROGRAMMABLE OUTPUT LEVELS
263996-US-1	14/013157	2013-08-29	9125271	2015-09-01	High Output Three-way lamp with consumer programmable output levels



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
264543-CN-1	201310066489.1	2013-12-10			A lighting device a lighting assembly and a regulating element
264543-TW-3	103140869	2014-11-25			A lighting device a lighting assembly and a regulating element
264692-CA-7	2888268	2013-10-18	2888268	2019-05-07	LED LAMP WITH ND-GLASS BULB
264692-CN-8	201380066484.3	2013-10-18	ZL201380066484.3	2020-03-03	LED LAMP WITH ND-GLASS BULB
264692-DE-14	13785746.2	2013-10-18	602013043222.8	2018-09-05	LED LAMP WITH ND-GLASS BULB
264692-DK-15	13785746.2	2013-10-18	2909527	2018-09-05	LED LAMP WITH ND-GLASS BULB
264692-EP-9	13785746.2	2013-10-18	2909527	2018-09-05	LED LAMP WITH ND-GLASS BULB
264692-GB-16	13785746.2	2013-10-18	2909527	2018-09-05	LED LAMP WITH ND-GLASS BULB
264692-HU-17	13785746.2	2013-10-18	2909527	2018-09-05	LED LAMP WITH ND-GLASS BULB
264692-JP-10	2015-538048	2013-10-18	6247694	2017-11-24	LED LAMP WITH ND-GLASS BULB
264692-MX-12	MX/A/2015/004952	2013-10-18	349277	2017-07-20	LED LAMP WITH ND-GLASS BULB

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
264692-NL-18	13785746.2	2013-10-18	2909527	2018-09-05	LED LAMP WITH ND-GLASS BULB
264692-US-3	14/056328	2013-10-17	9612002	2017-04-04	LED LAMP WITH ND-GLASS BULB
264752-US-1	14/060168	2013-10-22	9331477B2	2016-05-03	POWER CIRCUITRY FOR A SYNTHETIC JET OF A COOLING SYSTEM
265733-MX-2	MX/F/2013/002869	2013-09-20	44596	2015-07-21	LED LAMP
265733-US-1	29/450990	2013-03-27	D695927	2013-12-17	LED LAMP
266214-CN-1	201310507679.9	2013-08-30			Active damping & extra load circuit for the driver of dimmable low voltage LED lamp
267238-CA-4	152860	2013-09-12	152860	2014-10-24	DECO CANDLE LED LAMP WITH ELEVATED LIGHT SOURCE
267238-CN-3	201330441103.8	2013-09-13	201330441103.8	2014-11-12	DECO CANDLE LED LAMP WITH ELEVATED LIGHT SOURCE
267238-EM-2	002308536	2013-09-13	002308536-0001	2013-09-13	DECO CANDLE LED LAMP WITH ELEVATED LIGHT SOURCE

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267238-MX-5	MX/F/2013/002814	2013-09-13	43404	2015-02-06	DECO CANDLE LED LAMP WITH ELEVATED LIGHT SOURCE
267238-US-1	29/448755	2013-03-13	D732709	2015-06-23	LED LAMP WITH AN ELEVATED LIGHT UNIT
267909-US-1	13/906387	2013-05-31	9303846B2	2016-04-05	DIRECTIONAL LAMP WITH ADJUSTABLE BEAM SPREAD
268410-CN-2	201510363452.0	2015-06-26	105225921	2019-01-22	FLUORESCENT LAMP WITH HIGH COLOR RENDERING INDEX AND COATING SYSTEMS THEREFOR
268410-US-1	14/315904	2014-06-26	9117650	2015-08-25	FLUORESCENT LAMP WITH HIGH COLOR RENDERING INDEX AND COATING SYSTEMS THEREFOR
268454-CN-1	201310303589.8	2013-06-28			A DRIVER FOR A LIGHT EMITTING DIODE (LED) LIGHTING SYSTEM
268454-US-3	14/901539	2014-06-26	10,390,391	2019-08-20	DRIVER FOR A LIGHT EMITTING DIODE (LED) LIGHTING SYSTEM

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269585-US-1	14/574414	2014-12-18	9664343	2017-05-30	UNITARY HEAT SINK FOR SOLID STATE LAMP
270698-CN-1	201410829678.0	2014-12-23	ZL201410829678.0	2019-07-05	SYSTEM AND METHOD FOR BALANCING CURRENT FLOWING THROUGH LAMP LOAD
270742-BO-6	SP-109-2014	2014-03-26	6590-B	2016-10-31	LED LAMP WITH STIPPLED LENS
270742-CL-5	1189-2014	2014-05-07	8.125	2016-08-04	LED LAMP WITH STIPPLED LENS
270742-EM-2	002427054	2014-03-18	002427054	2014-03-18	LED LAMP WITH STIPPLED LENS
270742-PE-7	417.2014	2014-03-26	4480	2016-03-22	LED LAMP WITH STIPPLED LENS
270742-SG-3	D2014/343/E	2014-03-20	D2014/343/E	2014-05-02	LED LAMP WITH STIPPLED LENS
270742-TR-9	2014/02278	2014-03-24	2014 02278	2014-06-01	LED LAMP WITH STIPPLED LENS
270742-US-1	29/468115	2013-09-26	D732710	2015-06-23	LED LAMP WITH STIPPLED LENS
271073-CA-3	2928432	2014-10-29			LAMP HAVING LENS ELEMENT FOR DISTRIBUTING LIGHT

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271073-CN-6	201480059977.9	2014-10-29	ZL201480059977.9	2019-04-23	LAMP HAVING LENS ELEMENT FOR DISTRIBUTING LIGHT
271073-MX-4	2016005675	2014-10-29	361524	2018-12-07	LAMP HAVING LENS ELEMENT FOR DISTRIBUTING LIGHT.
271073-US-1	14/068414	2013-10-31	9506624B2	2016-11-29	LAMP HAVING LENS ELEMENT FOR DISTRIBUTING LIGHT
271152-CN-1	201310534724.X	2013-11-01	104602387	2018-08-03	Fictitious load circuit
271455-CA-5	161897	2015-04-13	161897	2016-01-07	LED DIRECTIONAL LAMP WITH LENS
271455-CA-6	165183	2015-11-05	165183	2016-01-07	Smooth Par Lamp Par38/30/20
271455-MX-4	MX/F/2015/001238	2015-04-13	48952	2017-02-03	LED DIRECTIONAL LAMP WITH LENS
271455-MX-8	MX/F/2017/000350	2017-02-02	51249	2017-11-01	Smooth Par Lamp Par38/30/20
271455-US-1	29/506035	2014-10-13	D794837	2017-08-15	LED DIRECTIONAL LAMP WITH LENS

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271590-CA-11	2923187	2014-09-09			ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-CN-6	201480061293.2	2014-09-09	105683653	2019-01-22	ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-EP-4	14842487.2	2014-09-09			ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-JP-5	2016-540937	2014-09-09			ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-KR-7	1020167008964	2014-09-09			ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-MX-10	MX/A/2016/003053	2014-09-09			ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-TW-3	103131905	2014-09-16			ENHANCED COLOR-PREFERENCE LIGHT SOURCES
271590-US-12	14/917,870	2014-09-09	10,196,565	2019-02-05	ENHANCED COLOR-PREFERENCE LIGHT SOURCES

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272656-US-1	14/567270	2014-12-11	10001256	2018-06-19	STRUCTURES SUBJECTED TO THERMAL ENERGY AND THERMAL MANAGEMENT METHODS THEREFOR
272931-CN-2	201510982991.2	2015-12-24			LAMP WITH LED CHIPS COOLED BY A PHASE TRANSFORMATION LOOP
272931-US-1	14/583039	2014-12-24	9401468B2	2016-07-26	LAMP WITH LED CHIPS COOLED BY A PHASE TRANSFORMATION LOOP
273563-WO-2	PCT/US2018/27200	2018-04-12			A19 Lamp Design Using Light Emitting Diodes
273601-US-1	29/486580	2014-03-31	D732717	2015-06-23	LIGHT BULB
273727-US-2	14/870,503	2015-09-30	10,253,962	2019-03-20	CONNECTOR AND LED LIGHTING DEVICE INCLUDING THE CONNECTOR
274439-CN-2	201511035930.1	2015-11-10			REFLECTOR AND LAMP COMPRISED THEREOF

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
274439-US-1	14/536,957	2014-11-10	10,139,095	2018-11-27	REFLECTOR AND LAMP COMPRISED THEREOF
275328-CN-1	201410654638.7	2014-11-17	ZL201410654638.7	2020-02-21	LED LAMP
275441-CA-7	2963171	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-CN-4	201480082766.7	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-EP-3	14903619.6	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-IN-12	201747013831	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS



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275441-JP-5	2017-518287	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-KR-6	1020177012079	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-MX-8	MX/A/2017/004648	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-MY-11	2017701023	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275441-TW-2	104133077	2015-10-07	I679233	2019-12-11	MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
275441-US-13	15/515755	2014-10-08			MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN A LIGHTING APPARATUS
275459-CA-5	2968975	2015-12-01			LIGHTING APPARATUS
275459-US-6	16/848,743	2020-04-14			LIGHTING APPARATUS
275459-TW-3	104140827	2015-12-04			LIGHTING APPARATUS
275459-US-4	15/529849	2015-12-01	10,619,801	2020-04-14	LIGHTING APPARATUS
275877-CA-7	2944470	2016-10-06			REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS
275877-CN-4	201610909566.5	2016-10-19			REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS
275877-IN-12	201644035129	2016-10-14			REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
275877-JP-5	2016-200502	2016-10-12			REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS
275877-MX-8	MX/A/2016/013679	2016-10-18			REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS
275877-MY-11	PI 2016703520	2016-09-26			REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS
275877-US-1	14/886781	2015-10-19	9970629	2018-05-15	REMOTE PHOSPHOR LIGHTING DEVICES AND METHODS
276116-US-2	14/850596	2015-09-10	9841167	2017-12-12	LIGHTING SYSTEM WITH ACTIVELY CONTROLLABLE OPTICS AND METHOD
276170-US-1	14/948912	2015-11-23	9642218	2017-05-02	WIRELESS BEHAVIORAL FEEDBACK FOR ACTIVE LIGHTING CONTROL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
276428-US-1	14/572224	2014-12-16	9462656B2	2016-10-04	LAMP BASE HAVING INTEGRAL SEMICONDUCTOR TRANSIENT PROTECTION DEVICE
276824-CN-7	201580054742.5	2015-10-07			LED APPARATUS EMPLOYING NEODYMIUM-FLUORINE MATERIALS
276824-JP-5	2017-516838	2015-10-07			LED APPARATUS EMPLOYING NEODYMIUM-FLUORINE MATERIALS
276824-KR-6	1020177012241	2015-10-07			LED APPARATUS EMPLOYING NEODYMIUM-FLUORINE MATERIALS
276824-TW-4	104133048	2015-10-07			LED APPARATUS EMPLOYING NEODYMIUM-FLUORINE MATERIALS
276824-US-2	14/876366	2015-10-06			LED APPARATUS EMPLOYING NEODYMIUM-FLUORINE MATERIALS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
276824-VN-9	1201701007	2015-10-07			LED APPARATUS EMPLOYING NEODYMIUM-FLUORINE MATERIALS
277975-CA-3	2992994	2016-07-25			WARM DIMMING FOR AN LED LIGHT SOURCE
277975-US-1	14/809892	2015-07-27	9668307	2017-05-30	WARM DIMMING FOR AN LED LIGHT SOURCE
278033A-CA-3	2979409	2016-03-14			LED LAMP WITH INTERNAL MIRROR
278033A-CN-4	201680027451.1	2016-03-14			LED LAMP WITH INTERNAL MIRROR
278033A-US-2	15/557,655	2016-03-14	10,197,230	2019-02-05	LED LAMP WITH INTERNAL MIRROR
278033-CA-3	2978463	2016-03-14			LED LAMP WITH INTERNAL MIRROR
278033-CN-4	201680015297.6	2016-03-14			LED LAMP WITH INTERNAL MIRROR
278033-US-5	15/549539	2016-03-14			LED LAMP WITH ENCAPSULATED DRIVER AND SAFETY CIRCUIT
278821-CA-14	162007	2015-04-21	162007	2015-11-19	LIGHT STICK LAMP
278821-CN-5	201530116199.X	2015-04-27	201530116199.X	2015-11-18	LIGHT STICK LAMP

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278821-CO-10	15095060	2015-04-27	8863	2015-12-03	LIGHT STICK LAMP
278821-JP-6	2015-008829	2015-04-20	1551048	2016-04-28	LIGHT STICK LAMP
278821-MX-8	MX/F/2015/001369	2015-04-24	47331	2016-07-06	LIGHT STICK LAMP
278821-PE-12	548.15	2015-04-23	4423	2015-12-31	LIGHT STICK LAMP
278821-US-1	29/507347	2014-10-27	D741519	2015-10-20	Design patent for light stick, design 1#
278821-VE-13	15-388	2015-04-27			LIGHT STICK LAMP
278823-CN-9	201530210994.5	2015-06-24	303580651	2016-02-03	LED LIGHT STICK LAMP
278823-CO-10	15145.198	2015-06-24	8886	2016-01-06	LED LIGHT STICK LAMP
278823-MX-3	MX/F/2015/001966	2015-06-23	48789	2017-01-17	LED LIGHT STICK LAMP
278823-PE-4	1182.15	2015-06-23	1182.15	2015-12-18	LED LIGHT STICK LAMP
278823-US-1	29/513041	2014-12-24	D756544S1	2016-05-17	Design patent application, light stick, design 3#

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278893-CA-3	3016820	2016-03-16			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN
278893-CN-4	201680083708.5	2016-03-16			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN
278893-JP-5	2018-548065	2016-03-16			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
278893-KR-6	10-2018-7029257	2016-03-16			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN
278893-MX-7	2018011248	2016-03-16			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN.
278893-TW-2	106107252	2017-03-06			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN



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278893-US-8	16/078,383	2016-03-16	10,619,803	2020-04-14	LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN
278893-US-9	16/848,756	2020-04-14			LED APPARATUS EMPLOYING NEODYMIUM BASED MATERIALS WITH VARIABLE CONTENT OF FLUORINE AND OXYGEN
279145-AU-9	2015315832	2015-01-21	2015315832	2020-04-02	ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279145-CA-6	2959989	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-CN-3	201580060838.2	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-EP-2	15706560.8	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-IN-11	201747011928	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279145-JP-4	2017-512013	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-KR-5	10-2017-7009138	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-MX-7	MX/A/2017/003055	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-MY-10	PI 2017700550	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279145-PH-13	1-2017-500305	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-TH-12	1701001199	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-US-14	15/509554	2017-03-08	10,381,527	2019-08-13	ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279145-US-15	16/538,781	2019-08-12			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279283-CN-2	201610812024.6	2016-09-09	ZL201610812024.6	2020-03-06	HEATSINK WITH INTEGRATED ELECTRICAL AND BASE CONTACTS
279145-CN-16	202010473635.9				ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING YAG, NITRIDE, AND PFS PHOSPHORS
279283-US-1	14/850010	2015-09-10	9970646	2018-05-15	HEATSINK WITH INTEGRATED ELECTRICAL AND BASE CONTACTS
279295-US-1	14/931476	2015-11-03	10,580,637	2020-03-03	COLOR-SHIFTED LAMPS USING NEODYMIUM-FLUORINE CONTAINING COATING
279295-WO-2	PCT/US16/59974	2016-11-02			COLOR-SHIFTED LAMPS USING NEODYMIUM-FLUORINE CONTAINING COATING
279432-CA-5	2959131	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS

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279432-CN-6	201580048476.5	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-EP-7	15703175.8	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-IN-8	201747011927	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-JP-9	2017-510659	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279432-KR-10	1020177009584	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-MX-12	MX/A/2017/003056	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-MY-11	PI 2017700351	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-PH-13	1-2017-500431	2015-01-21			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279432-TW-2	105101403	2016-01-18			ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279432-US-15	15/454,831	2017-03-09	10,240,087	2019-03-26	ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE, AND PFS PHOSPHORS
279479-CN-2	201611151608.X	2016-10-28			LAMP DESIGN WITH LED STEM STRUCTURE
279479-US-3	16/138,181	2018-09-21	10,415,770	2019-09-17	LAMP DESIGN WITH LED STEM STRUCTURE
279479-US-4	16/573,563	2019-09-17			LAMP DESIGN WITH LED STEM STRUCTURE



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
279578-US-1	29/510861	2014-12-03	D750284S1	2016-02-23	LED Retrofit Lamp - design patent
279603-US-1	29/510862	2014-12-03	D750285S1	2016-02-23	LED LAMP
279708A-CN-1	201530460093.1	2015-11-17	201530460093.1	2016-08-24	LED LAMP
279708A-EM-3	003126457	2016-05-13	0031264570001	2016-05-13	LED LAMP
279708A-US-2	29/564569	2016-05-13	D791370	2017-07-04	LED LAMP
279708-CN-1	201530460092.7	2015-11-17	201530460092.7	2016-09-07	Extended facet feature on lens surface to mimic the reflector appearance for LED directional lamps. (file as DESIGN patent)
279708-EM-4	003126796	2016-05-13	0031267960001	2016-05-13	LED LAMP
279708-US-3	29/564547	2016-05-13	D791369	2017-07-04	LED LAMP
280131-TW-2	105135107	2016-10-28			BATTERY BACK UP LAMP USING AC WIRING ACTIVATION
280131-US-1	14/938930	2015-11-12	9832827	2017-11-28	BATTERY BACK UP LAMP USING AC WIRING ACTIVATION

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280131-WO-3	PCT/US2016/055868	2016-10-07			BATTERY BACK UP LAMP USING AC WIRING ACTIVATION
281499-CN-1	201510392344.6	2015-07-06	ZL201510392344.6	2019-05-10	LED dimmer, LED apparatus and LED system
281578-CA-8	2983422	2016-04-11			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281578-CN-5	201680023187.4	2016-04-11			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281578-JP-6	2017-552122	2016-04-11			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281578-KR-7	1020177032638	2016-04-11			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281578-MX-9	MX/A/2017/013515	2016-04-11			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281578-MY-12	PI2017703601	2016-04-11			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM

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281578-TW-4	105112496	2016-04-21			MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281578-US-2	14/757957	2015-12-24	9974138	2018-05-15	MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM
281662A-BR-5	302016002248-8	2016-05-31	30 2016 002248-8	2019-02-12	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662A-CN-2	201630224765.3	2016-06-06	304185637	2017-06-20	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662A-EM-10	003169903-2	2016-06-03	003169903-2	2016-06-03	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662A-EM-8	003169903-1	2016-06-03	003169903-1	2016-06-03	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662A-JP-3	2016-011261	2016-05-27	1576926	2017-04-21	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662A-MX-6	MX/F/2016/001746	2016-06-03	51382	2017-11-16	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662A-TR-9	2016/04358	2016-06-03	201604358	2016-06-03	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662A-US-1	29/547643	2015-12-06	D780958	2017-03-07	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662B-AT-30	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-BE-11	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-BG-12	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-BR-5	302016002295-0	2016-06-01	302016002295	2018-01-30	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662B-CN-2	201630224766.8	2016-06-06	303938851	2016-11-23	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662B-CY-23	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-CZ-13	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-DE-15	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-DK-14	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-EE-16	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662B-EM-39	003170356-0002	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source (HEXAGONAL)
281662B-EM-8	003170356-0001	2016-06-03	003170356-0001	2016-06-03	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662B-ES-19	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-FI-36	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-FR-20	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662B-GB-38	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-GR-18	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-HR-21	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-HU-27	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-IE-17	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662B-IT-22	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-JP-3	2016-011262	2016-05-27	1584508	2017-08-04	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662B-LT-25	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-LU-26	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-LV-24	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662B-MT-28	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-MX-6	MX/F/2016/001747	2016-06-03	51385	2017-11-16	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662B-NL-29	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-PL-31	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-PT-32	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662-BR-5	302016002233-0	2016-05-30	30 2016 002233-0	2019-02-12	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662B-RO-33	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-SE-37	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-SI-34	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-SK-35	003170380	2016-06-03	003170356-0001	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source HEXAGONAL
281662B-TR-9	2016/04070	2016-05-24	2016/04070	2016-06-24	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662B-US-1	29/547644	2015-12-06	D789569	2017-06-13	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662C-AL-35	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-AT-21	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-BE-9	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-BG-10	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-BR-2	302016002232-1	2016-05-30	30 2016 002232-1	2019-02-12	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662C-CN-3	201630224763.4	2016-06-06	303938850	2016-11-23	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662C-CY-36	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-CZ-11	003170356	2016-06-03	003170356-0002	2018-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-DE-13	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-DK-12	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-EE-14	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662C-EM-5	003170356	2016-06-03	003170356-0002	2016-06-03	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662C-ES-31	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-FI-27	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-FR-32	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-GB-29	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662C-GR-30	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-HR-33	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-HU-18	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-IE-15	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-IT-34	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662C-JP-6	2016-011263	2016-05-27	1585456	2017-08-10	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662C-LT-16	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-LU-17	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-LV-37	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-MT-19	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-MX-8	MX/F/2016/001748	2016-06-03	51250	2017-11-01	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662-CN-2	201630224764.9	2016-06-06	304185627	2017-06-20	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662C-NL-20	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-PL-22	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-PT-23	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-RO-24	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
281662C-SE-28	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-SI-25	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-SK-26	003170356	2016-06-03	003170356-0002	2016-06-03	Compact Fluorescent shape retrofit LED lamp with filament LED light source OCTAGONAL
281662C-US-1	29/547645	2015-12-06	D790086	2017-06-20	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662-EM-10	003143593-0002	2016-05-20	003143593-0002	2016-05-20	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662-EM-7	003143593-0001	2016-05-20	003143593-0001	2016-05-20	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662-JP-3	2016-011260	2016-05-27	1577376	2017-04-28	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT

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281662-MX-6	MX/F/2016/001745	2016-06-03	51236	2017-11-01	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281662-US-1	29/547642	2015-12-06	D785821	2017-05-02	RETROFIT LAMP WITH LED LIGHT SOURCE FILAMENT
281833-CN-1	201530318687.9	2015-08-24	CN201530318687.9	2016-05-04	LED LAMP
281833-US-2	29/555687	2016-02-24	D794839	2017-08-15	LED LAMP
282201-CA-4	3007011	2016-12-06			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS
282201-CN-5	201680072489.0	2016-12-06			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
282201-JP-6	2018-529287	2016-12-06			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS
282201-KR-7	1020187019280	2016-12-06			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS
282201-MX-8	MX/A/2018/007034	2016-12-06			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
282201-TW-3	105140480	2016-12-07			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS
282201-US-1	14/966329	2015-12-11			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS
282201-WO-2	PCT/US2016/065149	2016-12-06			LED APPARATUS EMPLOYING TUNABLE COLOR FILTERING USING MULTIPLE NEODYMIUM AND FLUORINE COMPOUNDS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
282246-CA-4	3009501	2016-12-29			COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL
282246-CN-1	201511015919.9	2015-12-29	106935696	2019-06-07	COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
282246-JP-5	2018-533692	2016-12-29			COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL
282246-MX-6	MX/A/2018/008045	2016-12-29			COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
282246-TW-3	105143390	2016-12-27			COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL
282246-US-7	16/061479	2016-12-29			COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
282246-WO-2	PCT/US2016/069236	2016-12-29			COMPOSITE MATERIAL FOR LIGHTING FILTERING, LIGHTING APPARATUS, AND METHOD FOR DETERMINING DOPING CONCENTRATION OR THICKNESS OF COMPOSITE MATERIAL
285167-AR-9	90850	2016-10-14			LAMP
285167-AU-6	201615617	2016-10-04	201615617	2017-01-09	LAMP
285167-BR-8	302016004733-2	2016-10-14	302016004733-2	2017-09-12	LAMP
285167-CA-3	170765	2016-10-04	170765	2017-07-12	LAMP
285167-CL-11	2554-2016	2016-10-06	8.920	2018-01-29	LAMP
285167-CN-1	201630206723.7	2016-05-27	CN201630206723.7	2017-03-08	LAMP
285167-EM-15	003404391-0001	2016-10-04	003404391-0001	2016-10-04	LAMP
285167-JP-14	2016-021772	2016-10-06	1581002	2017-06-16	LAMP



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
285167-MX-10	MX/F/2016/003443	2016-11-07	51383	2017-11-16	LAMP
285167-MY-5	16-00994-0101	2016-10-04	16-00994-0101	2018-01-19	LAMP
285167-PH-7	PH/3/2016/1118	2016-10-11	3/2016/001118	2018-04-06	LAMP
285167-TH-12	1602004298	2016-11-08	68481	2019-03-01	LAMP
285167-US-2	29/584591	2016-11-16	D808547	2018-01-23	LAMP
310863-EM-2	003456680	2016-11-10	003456680-0001	2016-11-10	LAMP
310863-US-1	29/566268	2016-05-27	D791984	2017-07-11	BOTTOM PORTION OF LAMP
313237-US-1	14/840839	2015-08-31	9337010B2	2016-05-10	FLUORESCENT LIGHTING WITH ALUMINUM NITRIDE PHOSPHORS
314689-CA-2	2990134	2017-12-27			LAMP AND LIGHTING FIXTURE COMPRISING THE LAMP
314689-CN-1	201611225008.3	2016-12-27			LAMP AND LIGHTING FIXTURE COMPRISING THE LAMP

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
314689-US-3	15/854894	2017-12-27	10,520,182	2019-12-31	LAMP AND LIGHTING FIXTURE COMPRISING THE LAMP
314807-CA-3	2990790	2018-01-04			LED LAMP AND ASSEMBLING METHOD THEREOF
314807-CN-1	201710036140.8	2017-01-17			LED LAMP AND ASSEMBLING METHOD THEREOF
314807-US-2	15/865643	2018-01-09	10,393,322	2019-08-27	LED LAMP AND ASSEMBLING METHOD THEREOF
314807-US-4	16/553,124	2019-08-27			LED LAMP AND ASSEMBLING METHOD THEREOF
315623-CA-2	3,043,641	2016-11-14			LED BULB WITH GLASS ENVELOPE
315623-CN-3	201680091999.2	2016-11-14			LED BULB WITH GLASS ENVELOPE
315623-US-4	16/349,591	2019-05-13			LED BULB WITH GLASS ENVELOPE
316755A-CA-2	3,070,524	2017-08-08			MULTI-PURPOSE VOICE ACTIVATED LIGHTING APPARATUS

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
316755A-CN-3	201780093742.5	2017-08-08			MULTI-PURPOSE VOICE ACTIVATED LIGHTING APPARATUS
316755A-US-4	16/635,550	2017-08-08			MULTI-PURPOSE VOICE ACTIVATED LIGHTING APPARATUS
316755A-WO-1	PCT/CN2017/096411	2017-08-08			MULTI-PURPOSE VOICE ACTIVATED LIGHTING APPARATUS
316755B-CA-2	178694	2017-12-19	178694	2019-02-06	LIGHT FIXTURE
316755B-CN-3	201730681916.2	2017-12-29	305012131	2019-01-22	LIGHT FIXTURE
316755B-EM-4	004541886-0001	2017-12-11	004541886-0001	2018-01-25	LIGHT FIXTURE
316755B-US-1	29/609201	2017-06-29	D880,045	2020-03-31	LIGHT FIXTURE
316755-CA-2	178697	2017-12-19	178697	2019-02-06	LIGHT FIXTURE
316755-CN-3	201830004924.8	2018-01-05	305018770	2019-01-29	LIGHT FIXTURE
316755-EM-4	004523462-0001	2017-11-27	004523462-0001	2017-12-05	LIGHT FIXTURE
317672-CA-3	3,051,924	2017-05-11			GLASS LED ASSEMBLY

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317672-CN-4	201780090587.1	2017-05-11			GLASS LED ASSEMBLY
317672-US-2	16/492,604	2017-05-11			GLASS LED ASSEMBLY
317672-WO-1	PCT/CN2017/083937	2017-05-11			GLASS LED ASSEMBLY
317731-CA-4	3,058,685				LOW REFRACTIVE INDEX NEODYMIUM FLUORIDE DOPED POLYCARBONATE
317731-CN-3	201780090058.1	2017-02-28			LOW REFRACTIVE INDEX NEODYMIUM FLUORIDE DOPED POLYCARBONATE
317731-TW-2	107106176	2018-02-23			LOW REFRACTIVE INDEX NEODYMIUM FLUORIDE DOPED POLYCARBONATE

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
317731-US-5	16/492,103	2017-02-28			LOW REFRACTIVE INDEX NEODYMIUM FLUORIDE DOPED POLYCARBONATE
317731-WO-1	PCT/CN2017/075209	2017-02-28			LOW REFRACTIVE INDEX NEODYMIUM FLUORIDE DOPED POLYCARBONATE
317903-CA-3	3006744	2018-05-30			LED LAMP
317903-CN-1	201710447399.1	2017-06-14			LED LAMP
317903-US-2	15/989160	2018-05-24			LED LAMP
318826-CA-4	3,060,082	2018-05-11			LED BATTERY BACKUP LAMP
318826-CN-3	201880032117.4	2018-05-11			LED BATTERY BACKUP LAMP
318826-US-5	16/617,495	2019-11-26			LED BATTERY BACKUP LAMP
318826-WO-2	PCT/US2018/032318	2018-05-11			LED BATTERY BACKUP LAMP

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
319472A-US-1	15/944699	2018-04-03			ULTRASONIC BRIDGE FOR WIRELESS COMMUNICATION
319472B-US-1	15/944707	2018-04-03			METHOD AND SYSTEM FOR MULTI-CHANNEL ACOUSTIC COMMUNICATION AND SENSING
319472-CA-3	3,058,796	2018-04-03			SYSTEM AND METHOD FOR PRESENCE DETECTION
319472-CN-4	201880023204.3	2018-04-03			SYSTEM AND METHOD FOR PRESENCE DETECTION
319472-WO-2	PCT/US18/25901	2018-04-03			SYSTEM AND METHOD FOR PRESENCE DETECTION
320869-CA-2	3,024,222	2018-11-15			LAMP
320869-CN-1	2017111190699.2	2017-11-24			LAMP
320869-US-3	16/181,764	2018-11-06			LAMP
321157-CA-2	3,069,997				LIGHTING APPARATUS, DRIVING CIRCUIT AND DRIVING METHOD THEREOF

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
321157-CN-3	201780093180.4				LIGHTING APPARATUS, DRIVING CIRCUIT AND DRIVING METHOD THEREOF
321157-US-4	16/639,119	2020-02-13			LIGHTING APPARATUS, DRIVING CIRCUIT AND DRIVING METHOD THEREOF
321157-WO-1	PCT/CN2017/097503	2017-08-15			LIGHTING APPARATUS, DRIVING CIRCUIT AND DRIVING METHOD THEREOF
321217-CA-3	3,069,348				SMART EQUIPMENT, METHOD USED BY SMART EQUIPMENT, AND SMART LAMP
321217-CN-2	201780093192.7				SMART EQUIPMENT, METHOD USED BY SMART EQUIPMENT, AND SMART LAMP

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
321217-US-4	16/639,568	2020-02-15			SMART EQUIPMENT, METHOD USED BY SMART EQUIPMENT, AND SMART LAMP
321217-WO-1	PCT/CN2017/097508	2017-08-15			SMART EQUIPMENT, METHOD USED BY SMART EQUIPMENT, AND SMART LAMP
322732-CA-2	3,034,433	2019-02-21			LED LAMP
322732-CN-1	201810189396.7	2018-03-05			LED LAMP
322732-US-3	16/267,537	2019-02-05			LED LAMP
322952-CA-3	3,021,307	2018-10-18			LED FILAMENT LAMPS WITH WHITE FILAMENT APPEARANCE
322952-CN-4	201811258982.9	2018-10-26			LED FILAMENT LAMPS WITH WHITE FILAMENT APPEARANCE
322952-KR-5	10-2018-0129163	2018-10-26			LED FILAMENT LAMPS WITH WHITE FILAMENT APPEARANCE



Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
322952-TW-6	107136175	2018-10-15			LED FILAMENT LAMPS WITH WHITE FILAMENT APPEARANCE
322952-US-2	15/922021	2018-03-15	10,495,263	2019-12-03	LED FILAMENT LAMPS WITH WHITE FILAMENT APPEARANCE
323748-CA-2	3,036,005	2019-03-07			LED LAMP
323748-CN-1	201810200947.5	2018-03-12			LED LAMP
323748-US-3	16/295,359	2019-03-07			LED LAMP
324073-CA-3	3036005	2019/03/07			DRIVER FOR LED AND LED SYSTEM
324073-CN-1	201810300160.6	2018-04-04			DRIVER FOR LED AND LED SYSTEM
324073-WO-2	PCT/CN2019/081203	2019-04-03			DRIVER FOR LED AND LED SYSTEM
324640-CN-1	201810660549.1	2018-06-25			PRESENCE SENSING METHOD, PRESENCE SENSING DEVICE AND LIGHT SYSTEM

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
324640-US-2	16/452,172	2019-06-25	10,568,184	2020-02-18	PRESENCE SENSING METHOD, PRESENCE SENSING DEVICE AND LIGHT SYSTEM
325836-US-2	16/543,508	2019-11-05			LED FILAMENT WITH COLORED OFF STATE MASKING
326216-CN-1	201810933465.0	2018-08-16			END CAP ACCSEMBLY, LAMP USING THE END CAP AND ACCSEMBLING METHOD OF THE LAMP
326216-US-2	16/572,563	2019-09-16			END CAP ACCSEMBLY, LAMP USING THE END CAP AND ACCSEMBLING METHOD OF THE LAMP
327798-CA-2	3,060,616				UV Disinfection Under Cabinet Light Optical System
327798-CN-1	201811269817.3	2018-10-29			UV Disinfection Under Cabinet Light Optical System

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
327798-US-3	16/661,891	2019-10-29			UV Disinfection Under Cabinet Light Optical System
327799-CA-2	3,068,496	2020-01-17			Self-adaptive UV Disinfection Light Fixture
327799-CN-1	201910113788.X	2019-02-14			Self-adaptive UV Disinfection Light Fixture
327799-US-3	16/782,050	2020-02-04			A LIGHT AND DISINFECTION SYSTEM AND A METHOD FOR DISINFECTING AN ILLUMINATED SURFACE BY THE SYSTEM
328282-CA-2	3,070,831	2020-02-04			A PWM dimming circuit with low stand-by power for LED device
328282-CN-1	201910295648.9	2019-04-12			A PWM dimming circuit with low stand-by power for LED device
328282-US-3	16/798,292	2020-02-21			A PWM dimming circuit with low stand-by power for LED device
501946-CA-2	3,080,583	8 May 2020			Multi-channel control method for Light Strip
501946-CN-1	201910534871.4	2019-06-20			Multi-channel control method for Light Strip

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
501946-US-3	16/906,869	2020-19-06			Multi-channel control method for Light Strip
503001-CA-3					Voice communication between lamp and remote device plus lighting control via remote device
503001-CN-1	201910598692.7	2019-07-04			Voice communication between lamp and remote device plus lighting control via remote device
506892-CN-1	201911030490.9	2019-10-28			Speaker lamp
507306-CN-1	201910718270.9	2019-08-05			New architecture design for Wifi and BLE Mesh dual mode connected network system
507308-CN-1	201910718288.9	2019-08-05			Wifi and BLE mesh dual mode self-adaption and mode selection

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
507311-CN-1	201910703124.9	2019-07-31			Dynamic power fetching system in no-neutral dimmer switch
507311-US-2	16/796,394	2020-02-20			POWER FETCHING SYSTEM FOR NO NEUTRAL SWITCH AND CONTROL METHOD THEREOF, NO NEUTRAL SWITCH
507312-CN-1	201910706898.7	2019-07-31			Dummy load design for smart no-neutral Dimmer(switch)
507312-US-2	16/798,282	2020-02-21			Dummy load design for smart no-neutral Dimmer(switch)
507739-CN-1	201911052078.7	2019-10-31			Zero crossing detection circuit and algorithm thereof
507803-CN-1	201921618253.X	2019-09-26			Rotate diffuser / lens of the light to change the CCT
507808-US-1	16/888,996	2020-06-01			A method of preventing LED from flashback
507809-CN-1	201911229890.2	2019-12-04			A solution of avoiding output voltage and current mutation

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
508175-CN-1	2019111224723	2019-11-15			Dimmable speaker lamp
508176-CN-1	201921987944.7	2019-11-18			MILUSA filament lamp design
508182-US-1	62/899,847	2019-09-13			No neutral switch & adapter
509325-US-1	29/720,615	2020-01-14			Speaker Lantern Design
509431-CN-1	202010261003.6	2020-04-03			A system design compatible with different BLE mesh networks
L11568-US-2	09/699819	2000-10-30	6583566	2003-06-24	LOW WATTAGE FLUORESCENT LAMP HAVING IMPROVED PHOSPHOR LAYER
LDLFL11613-CN-3	02140379.1	2002-07-02	02140379.1	2007-04-18	LONG SERVICE FLUORESCENT LAMP
LDLFL11613-US-1	09/897856	2001-07-02	6683407	2004-01-27	LONG LIFE FLUORESCENT LAMP
LDLFL11666-US-1	09/682779	2001-10-18	6400097	2002-06-04	LOW WATTAGE FLUORESCENT LAMP
LDSP11108-US-1	09/604468	2000-06-27	6758573	2004-07-06	UNDERCABINET LIGHTING WITH LIGHT EMITTING DIODE SOURCE
RD26284-US-2	09/452554	1999-12-01	6357889	2002-03-19	COLOR TUNABLE LIGHT SOURCE

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
RD28323-US-2	09/880995	2001-06-14	6489721	2002-12-03	CONTROL OF LEACHABLE MERCURY IN FLUORESCENT LAMPS
RD28698-CA-5	2383369	2002-04-25	2383369	2010-11-16	CONTROL OF LEACHABLE MERCURY IN FLUORESCENT LAMPS
RD28698-US-2	09/847198	2001-05-03	6853118	2005-02-08	CONTROL OF LEACHABLE MERCURY IN FLUORESCENT LAMPS
RD29500-US-1	10/319443	2002-12-13	6894438	2005-05-17	LIGHTING SYSTEM AND METHOD INCORPORATING PULSED MODE DRIVE FOR ENHANCED AFTERGLOW
258399-US-1	13/566623	2012-08-03	8992052	2015-03-31	INNER LENS OPTICS FOR OMNIDIRECTIONAL LAMP
509893-CN-1					Easy operation about CCT Change on downlight fixture
509908-CN-1					Under Cabinet Outlet USB Charger

Patent Reference	Application Number	Filed Date	Patent No.	Grant Date	Patent Application Title
602256-CN-1					CCT switchable filament lamp













**SCHEDULE 3**

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