

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4917005

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
FEDERAL-MOGUL LLC		12/04/2017
RECEIVING PARTY DATA		
Name:	REBO LIGHTING & ELECTRONICS, LLC	
Street Address:	3990 RESEARCH PARK DRIVE	
City:	ANN ARBOR	
State/Country:	MICHIGAN	
Postal Code:	48108	
PROPERTY NUMBERS Total: 17		
Property Type	Number	
Patent Number:	9285093	
Patent Number:	9878658	
Patent Number:	8922388	
Patent Number:	8950912	
Patent Number:	9108566	
Patent Number:	9340151	
Patent Number:	8727574	
Patent Number:	8235569	
Patent Number:	8616740	
Patent Number:	9243780	
Application Number:	15224595	
Application Number:	14495867	
Application Number:	15180893	
Application Number:	15356011	
Application Number:	15425492	
Application Number:	15433800	
Application Number:	15800004	
CORRESPONDENCE DATA		
Fax Number:	(248)689-4071	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>		
PATENT		

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 248-689-3500
Email: dcosta@reising.com
Correspondent Name: SHANNON SMITH
Address Line 1: REISING ETHINGTON PC
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Address Line 4: TROY, MICHIGAN 48084

ATTORNEY DOCKET NUMBER:	1625-3000-A
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NAME OF SUBMITTER:	SHANNON SMITH
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SIGNATURE:	/Shannon Smith/
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DATE SIGNED:	04/16/2018
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Total Attachments: 14

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ASSIGNMENT OF INTELLECTUAL PROPERTY

This Assignment of Intellectual Property (this "Assignment") is made as of December 4, 2017 by (i) FEDERAL-MOGUL LLC, a Delaware limited liability company, FEDERAL-MOGUL IGNITION COMPANY, a Delaware corporation, and FEDERAL-MOGUL WORLD WIDE LLC, a Michigan limited liability company (each an "Assignor" and, collectively, "Assignors"), in favor of (ii) Rebo Lighting & Electronics, LLC, a Michigan limited liability company ("Assignee"). Assignors and Assignee are hereinafter sometimes referred to collectively as "Parties"; and each a "Party."

RECITALS:

WHEREAS, Assignee is the purchaser of certain assets of Assignors pursuant to the terms and conditions of that certain Asset Purchase Agreement among CHONGQING BOAO INDUSTRIAL CO., LTD., a limited liability company organized under the laws of the People's Republic of China ("Boao"), on behalf of itself and one or more Affiliates to be organized to serve as Buyer under the Purchase Agreement, including Assignee, and Assignors, dated as of September 29, 2017 (the "Purchase Agreement");

WHEREAS, pursuant to the terms of the Purchase Agreement, Assignors have agreed to convey, transfer, and assign to Assignee, among other assets, certain intellectual property of Assignors, and have agreed to execute and deliver this Assignment, for recording with the United States Patent and Trademark Office and corresponding entities or agencies in any applicable jurisdictions; and

WHEREAS, capitalized terms used but not otherwise defined herein have the meanings given to them in the Purchase Agreement.

NOW, THEREFORE, for valuable consideration the receipt of which is hereby acknowledged, and intending to be legally bound, Assignors and Assignee hereby agree as follows:

1. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby irrevocably sell, convey, transfer, and assign to Assignee, and Assignee hereby accepts, all of Assignors' right, title, and interest in and to the Business Intellectual Property and all other Intellectual Property owned by Assignors and exclusively either used or held for use in the Business, including without limitation the patents set forth on Exhibit A hereto (the "Assigned Patents").

2. Recordation and Further Actions. Assignors hereby authorize the Commissioner for Patents in the United States Patent and Trademark Office, and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Assignment upon request by Assignee. Following the date hereof, Assignors shall take such steps and actions, and provide such cooperation and assistance to Assignee and its successors, assigns, and legal representatives as may be reasonably necessary to effect, evidence, or perfect the assignment of the Assigned Patents to Assignee, or any assignee or successor thereto.

3. Successors. Assignors represent and warrant that Assignors, as applicable, own all right, title, and interest in the Assigned Patents and can transfer the Assigned Patents to the Assignee as contemplated under this Agreement. For the avoidance of doubt, the name of each of the "Current Owners" listed on Exhibit A hereto is a current or former name of one of the Assignors. Specifically, (a) "Federal-Mogul Corporation" was the name of Federal-Mogul LLC prior to its conversion to a limited liability company, and (b) "Federal-Mogul World Wide, Inc." was the name of Federal-Mogul World Wide LLC prior to its conversion to a limited liability company.

4. Terms of the Purchase Agreement. The Parties acknowledge and agree that this Assignment is entered into pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Assignors and Assignee with respect to the Business Intellectual Property and all other Intellectual Property owned by Assignors and exclusively either used or held for use in the Business. The representations, warranties, covenants, agreements, and indemnities contained in the Purchase Agreement shall not be superseded hereby but shall remain in full force and effect to the full extent provided therein. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern.

5. Counterparts. This Assignment may be executed in any number of counterparts, each of which shall be deemed an original, and all of which together shall be deemed to be one and the same instrument. This Assignment, along with any amendments hereto or thereto, to the extent signed and delivered by means of a facsimile machine or other means of electronic transmission, shall be treated in all manner and respects and for all purposes as an original signature, agreement or instrument and shall be considered to have the same binding legal effect as if it were the original signed version thereof delivered in person. A party delivering a copy signed and delivered by facsimile machine or electronic transmission shall deliver an originally executed copy if requested by another party.

6. Successors and Assigns. This Assignment shall be binding upon and shall inure to the benefit of and be enforceable by the Parties and their respective successors and assigns.

7. Governing Law; Jurisdiction. This Agreement shall be governed by and construed in accordance with the laws of the State of Michigan without regard to conflicts-of-law principles that would require the application of any other law. Assignors, on the one hand, and Assignee, on the other hand, irrevocably submit to the jurisdiction of the courts of the State of Michigan located in Oakland County and the United States District Court for the Eastern District of Michigan in any Proceeding arising out of or relating to this Agreement, and hereby irrevocably agrees that all claims in respect of such Proceeding may be heard and determined in such state or federal court. Each of Assignors and Assignee hereby irrevocably waives, to the fullest extent it may effectively do so, the defense of an inconvenient forum to the maintenance of such action or proceeding.

[Signature Page Follows]

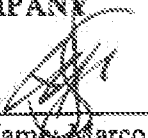
IN WITNESS WHEREOF, Assignors have caused this Assignment of Intellectual Property to be duly executed and delivered by their respective duly authorized representatives as of the date first written above.

FEDERAL-MOGUL LLC

By: 

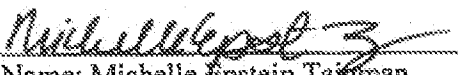
Name: Marco DeSanto
Title: Senior Vice President, Co-
General Counsel & Secretary

**FEDERAL-MOGUL IGNITION
COMPANY**

By: 

Name: Marco DeSanto
Title: Senior Vice President

**FEDERAL-MOGUL WORLD WIDE
LLC**

By: 

Name: Michelle Epstein Taigman
Title: Vice President & Secretary

Agreed to acknowledged, and accepted:

**REBO LIGHTING & ELECTRONICS,
LLC**

By: _____

Name: Yu Zhang
Title: President

IN WITNESS WHEREOF, Assignors have caused this Assignment of Intellectual Property to be duly executed and delivered by their respective duly authorized representatives as of the date first written above.

FEDERAL-MOGUL LLC

By: _____
Name: Marco DeSanto
Title: Senior Vice President, Co-
General Counsel & Secretary

**FEDERAL-MOGUL IGNITION
COMPANY**

By: _____
Name: Marco DeSanto
Title: Senior Vice President

**FEDERAL-MOGUL WORLD WIDE
LLC**

By: _____
Name: Michelle Epstein Taigman
Title: Vice President & Secretary

Agreed to acknowledged, and accepted:

**REBO LIGHTING & ELECTRONICS,
LLC**

By:  _____
Name: Yu Zhang
Title: President

Exhibit A

Assigned Patents

Docket #	Country	Title	Case Type	Relation Type	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
00030	United States	WAVEGUIDE ASSEMBLY FOR LATERALLY-DIRECTED ILLUMINATION IN A VEHICLE LIGHTING SYSTEM	Regular	Original Filing	Patent Cooperation Treaty	07/12/2001	09/089443	07/15/2003	6594417	Granted	07/12/2021	FEDERAL-MOGUL WORLD WIDE LLC
00033	United States	ILLUMINATED INTERIOR ARTICLE SYSTEM UTILIZING A V-BRANCH WAVEGUIDE	Regular	Original Filing	National	02/13/2002	10/087697	05/11/2004	6733166	Granted	06/10/2012	FEDERAL-MOGUL WORLD WIDE LLC
00034	United States	ILLUMINATED CUP HOLDER ASSEMBLY	Regular	Original Filing	National	12/08/1999	09/457212	05/27/2001	6234439	Granted	12/08/2019	FEDERAL-MOGUL WORLD WIDE LLC
00035	United States	ILLUMINATING WAVEGUIDE	Regular	Original Filing	National	03/06/2002	10/002333	07/05/2003	6915062	Granted	03/06/2022	FEDERAL-MOGUL WORLD WIDE LLC
00036	United States	VEHICLE SIDE MIRROR ASSEMBLY WITH INTEGRAL ILLUMINATION & SIGNAL LIGHTING	Regular	Original Filing	National	10/20/2000	09/693392	02/03/2004	6683525	Granted	10/20/2020	FEDERAL-MOGUL WORLD WIDE LLC
00038	United States	VEHICLE CENTER CONSOLE WITH INTERIOR ILLUMINATION	Regular	Original Filing	National	11/04/2000	09/765427	07/16/2002	6419779	Granted	11/04/2020	FEDERAL-MOGUL WORLD WIDE LLC
00042	United States	KEYED WAVEGUIDE ASSEMBLY AND METHOD FOR MAKING SAME	Regular	Original Filing	National	03/07/2000	09/621124	08/13/2002	6431717	Granted	03/07/2020	FEDERAL-MOGUL WORLD WIDE LLC
23176	United States	OPTICAL WAVEGUIDE ASSEMBLY FOR VEHICLE DOOR PANEL	Regular	Continuation	National	09/10/1998	09/150672	04/17/2003	6217201	Granted	01/20/2018	FEDERAL-MOGUL IGNITION COMPANY
23176	United States	OPTICAL WAVEGUIDE STRUCTURES FOR VEHICLE LIGHTING	Regular	Continuation-In-Part	National	04/20/1998	09/062766	02/27/2003	6193399	Granted	01/20/2018	FEDERAL-MOGUL IGNITION COMPANY
23176	United States	COMPACT ILLUMINATOR FOR DISTRIBUTED LIGHTING SYSTEM	Regular	Continuation-In-Part	National	08/26/1998	09/140281	07/17/2003	6260991	Granted	01/20/2018	FEDERAL-MOGUL IGNITION COMPANY
23176	United States	STEP-UP/PRUNING BOARD OPTICAL WAVEGUIDE ILLUMINATION ASSEMBLY	Regular	Continuation-In-Part	National	09/21/1998	09/157373	06/12/2001	6244734	Granted	01/20/2018	FEDERAL-MOGUL IGNITION COMPANY
23176	United States	OPTICAL WAVEGUIDE STRUCTURES	Regular	Division	National	04/09/2001	09/628741	04/29/2003	6554462	Granted	01/20/2018	FEDERAL-MOGUL IGNITION COMPANY

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DocId #	Country	Title	Case Type	Relation Type	Filing Type	Application Issue	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
25176	United States	HYBRID DISTRIBUTED LIGHTING SYSTEM FOR A VEHICLE	Regular	Original Filing	National	01/20/1998	09/000836	01/02/2001	6168302	Granted	01/20/2018	FEDERAL-MOGUL IGNITION COMPANY
25176	United States	OPTICAL WAVEGUIDE STRUCTURES	Regular	Original Filing	National	07/02/1998	09/1090331	05/29/2001	6238034	Granted	07/02/2018	FEDERAL-MOGUL IGNITION COMPANY
25176	United States	ILLUMINATED DOOR HANDLE FOR A VEHICLE	Regular	Continuation-In-Part	National	10/09/1998	09/163890	12/26/2000	6164805	Granted	12/06/2017	FEDERAL-MOGUL WORLD WIDE LLC
25361	United States	TOUCH CONTROL SWITCHES FOR VEHICLES	Regular	Original Filing	National	02/23/1998	09/027809	01/11/2000	6013956	Granted	02/23/2018	FEDERAL-MOGUL IGNITION COMPANY
25498	United States	LOW PROFILE WAVEGUIDE SYSTEM	Regular	Original Filing	National	10/15/1998	09/172610	08/06/2002	6438339	Granted	10/15/2018	FEDERAL-MOGUL WORLD WIDE LLC
25500	United States	OPTICAL WAVEGUIDE STRUCTURE WITH RAISED OR IMBEDDED WAVEGUIDES	Regular	Continuation	National	12/07/1998	09/206386	10/31/2000	6139176	Granted	12/09/2017	FEDERAL-MOGUL WORLD WIDE LLC
25758	United States	VEHICULAR PUDDLE LIGHT	Regular	Original Filing	National	06/30/1999	09/042914	01/07/2003	6502910	Granted	06/30/2019	FEDERAL-MOGUL WORLD WIDE LLC
30013	United States	VEHICLE INTERIOR LIGHTING SYSTEMS USING ELECTROLUMINESCENT PANELS	Renue Patent	Original Filing	National	10/15/2004	10/067117	05/10/2011	RE42340	Granted	02/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
30014	United States	WAVEGUIDE ILLUMINATION ASSEMBLY FOR AN AUTOMOBILE LICENSE PLATE	Regular	Original Filing	National	03/21/2001	09/013662	10/29/2002	6471379	Granted	03/21/2021	FEDERAL-MOGUL WORLD WIDE LLC
30100	United States	LIGHT COLLECTORS WITH ANGLED INPUT SURFACES FOR USE IN AN ILLUMINATION SYSTEM	Regular	Original Filing	National	11/05/2002	10/287999	07/05/2003	6915039	Granted	11/05/2022	FEDERAL-MOGUL WORLD WIDE LLC
30141	Germany	CADMIUM-FREE AMBER AUTOMOTIVE LAMP	Regular	Original Filing	PCT/EPC Application	03/19/2002	2725268.3	09/09/2009	60233646.5	Granted	03/19/2022	FEDERAL-MOGUL CORPORATION*
30223	United States	INTEGRATED LAMP HOLDER, REFLECTOR, AND PLUG TERMINAL ARRANGEMENT FOR AUTOMOTIVE LIGHTING APPLICATIONS	Regular	Original Filing	National	05/06/2002	10/139406	08/10/2004	6773151	Granted	08/10/2022	FEDERAL-MOGUL WORLD WIDE LLC
30228	United States	HIGH TEMPERATURE LAMP	Regular	Original Filing	National	03/20/2003	10/292581	11/09/2004	6815878	Granted	03/22/2023	FEDERAL-MOGUL WORLD WIDE LLC
30359	Japan	VEHICLE CARGO LAMP SYSTEM	Regular	Original Filing	Patent Cooperation Treaty	06/28/2006	2008-519503	06/01/2012	5006316	Granted	06/28/2026	FEDERAL-MOGUL CORPORATION*

Sheet #	Country	Title	Case Type	Relation Type	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
30359	India	INTERCHANGEABLE FLASHLIGHT - CARGO LAMP SYSTEM	Regular	Original Filing	Patent Cooperation Treaty	06/28/2006	438/CHEMP/2008	11/09/2016	277060	Granted	06/28/2026	FEDERAL-MOGUL CORPORATION*
30359	United States	INTERCHANGEABLE FLASHLIGHT - CARGO LAMP SYSTEM	Regular	Original Filing	National	06/28/2005	11/169031	11/27/2007	7300189	Granted	06/28/2025	FEDERAL-MOGUL WORLD WIDE LLC
30357	Japan	LAMP ASSEMBLY HAVING VARIABLE FOCUS AND DIRECTIONALITY	Regular	Division	Patent Cooperation Treaty	01/12/2011	2011-004138	11/27/2013	5416146	Granted	02/11/2025	FEDERAL-MOGUL CORPORATION*
30357	Japan	LAMP ASSEMBLY HAVING VARIABLE FOCUS AND DIRECTIONALITY	Regular	Original Filing	Patent Cooperation Treaty	02/11/2005	2006-553244	03/27/2011	4709167	Granted	02/11/2025	FEDERAL-MOGUL CORPORATION*
30357	Mexico	LAMP ASSEMBLY HAVING VARIABLE FOCUS AND DIRECTIONALITY	Regular	Original Filing	Patent Cooperation Treaty	02/11/2005	PA/06/2006/009220	10/30/2008	161801	Granted	02/11/2025	FEDERAL-MOGUL CORPORATION*
30357	United States	LAMP ASSEMBLY HAVING VARIABLE FOCUS AND DIRECTIONALITY	Regular	Original Filing	National	02/10/2005	11/054900	05/22/2007	7230029	Granted	02/10/2025	FEDERAL-MOGUL WORLD WIDE LLC
40039	United States	FRONT PORTION OF A LAMP MODULE	Design	Division	National	12/14/2008	29/275125	06/26/2007	D345488	Granted	06/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
40039	United States	FRONT PORTION OF A LAMP MODULE	Design	Division	National	12/14/2006	29/275123	06/26/2007	D345486	Granted	06/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
40039	United States	FRONT PORTION OF A LAMP MODULE	Design	Division	National	12/14/2006	29/275125	06/26/2007	D345487	Granted	06/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
40039	United States	FRONT PORTION OF A LAMP MODULE	Design	Original Filing	National	02/11/2004	29/499182	05/27/2007	D343307	Granted	05/22/2021	FEDERAL-MOGUL WORLD WIDE LLC
40093	Mexico	VEHICULAR LAMP AND RETAINER ASSEMBLY FOR INTERIOR APPLICATIONS	Regular	Original Filing	Patent Cooperation Treaty	09/20/2005	MX/06/2007/003720	06/13/2011	287439	Granted	09/20/2025	FEDERAL-MOGUL CORPORATION*
40093	Japan	VEHICULAR LAMP AND RETAINER ASSEMBLY FOR INTERIOR APPLICATIONS	Regular	Original Filing	Patent Cooperation Treaty	09/20/2005	2007-513626	05/20/2011	4746625	Granted	09/20/2025	FEDERAL-MOGUL CORPORATION*
40093	United States	VEHICULAR LAMP AND RETAINER ASSEMBLY FOR INTERIOR APPLICATIONS	Regular	Original Filing	National	09/20/2004	10/943317	10/27/2009	7607807	Granted	01/04/2026	FEDERAL-MOGUL WORLD WIDE LLC
40182	Republic of Korea	PROJECTOR LAMP HEADLIGHT WITH CHROMATIC ABERRATION CORRECTION	Regular	Original Filing	Patent Cooperation Treaty	04/08/2005	10-2006-7023313	01/14/2013	10-1234263	Granted	04/08/2025	FEDERAL-MOGUL LLC

Docket #	Country	Title	Case Type	Relation Type	Filing Type	Application No.	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
40182	United States	PROJECTOR LAMP HEADLIGHT WITH CHROMATIC ABERRATION CORRECTION	Regular	Original Filing	National	04/08/2005	11/102012	02/13/2007	7175123	Granted	04/08/2023	FEDERAL-MOGHIL WORLD WIDE LLC
40213	Japan	VEHICULAR LIGHTING FIXTURE WITH NON-DIRECTIONAL DISPERSION OF LIGHT	Regular	Original Filing	Patent Cooperation Treaty	07/15/2005	2007-521660	09/30/2011	4813434	Granted	07/15/2025	FEDERAL-MOGHIL CORPORATION*
40213	United States	VEHICULAR LIGHTING FIXTURE WITH NON-DIRECTIONAL DISPERSION OF LIGHT	Regular	Original Filing	National	07/15/2005	11/182092	08/18/2009	7515349	Granted	07/15/2025	FEDERAL-MOGHIL WORLD WIDE LLC
40284	Japan	INSTRUMENT PANEL	Regular	Original Filing	Patent Cooperation Treaty	10/26/2005	2007-539090	08/03/2012	5053094	Granted	10/26/2025	FEDERAL-MOGHIL CORPORATION*
40284	United States	PHOSPHOR REACTIVE INSTRUMENT PANEL AND GAUGES	Regular	Original Filing	National	10/25/2005	11/257628	05/15/2007	7216997	Granted	10/25/2023	FEDERAL-MOGHIL WORLD WIDE LLC
40386	Italy	AMBIANCE LIGHTING SYSTEM WITH TEMPERATURE RESPONSIVE VARIABLE COLOR OUTPUT	Regular	Original Filing	PCT/EPC Application	08/29/2006	6813843.7			Filed		FEDERAL-MOGHIL CORPORATION*
40386	European Patent Convention	AMBIANCE LIGHTING SYSTEM WITH TEMPERATURE RESPONSIVE VARIABLE COLOR OUTPUT	Regular	Original Filing	PCT/EPC Application	08/29/2006	6813843.7			Filed		FEDERAL-MOGHIL CORPORATION*
40386	Germany	AMBIANCE LIGHTING SYSTEM WITH TEMPERATURE RESPONSIVE VARIABLE COLOR OUTPUT	Regular	Original Filing	PCT/EPC Application	08/29/2006	6813843.7			Filed		FEDERAL-MOGHIL CORPORATION*
40386	France	AMBIANCE LIGHTING SYSTEM WITH TEMPERATURE RESPONSIVE VARIABLE COLOR OUTPUT	Regular	Original Filing	PCT/EPC Application	08/29/2006	6813843.7			Filed		FEDERAL-MOGHIL CORPORATION*
40386	India	AMBIANCE LIGHTING SYSTEM WITH TEMPERATURE RESPONSIVE VARIABLE COLOR OUTPUT	Regular	Original Filing	Patent Cooperation Treaty	08/29/2006	1500/CHENP/2008	11/09/2016	277056	Granted	08/29/2026	FEDERAL-MOGHIL CORPORATION*
40386	United States	AMBIANCE LIGHTING SYSTEM WITH TEMPERATURE RESPONSIVE VARIABLE COLOR OUTPUT	Regular	Original Filing	National	08/29/2005	11/214195	03/18/2008	7344277	Granted	12/29/2023	FEDERAL-MOGHIL WORLD WIDE LLC
40763	United States	LIGHT	Design	Original Filing	National	07/28/2006	29/263740	07/03/2007	US545982	Granted	07/03/2023	FEDERAL-MOGHIL WORLD WIDE LLC

Doc#	Country	Title	Case Type	Relation Type	Filing Type	Application No.	Grant Date	Patent Number	Status	Expiration Date	Owner
40764	United States	LIGHT	Design	Original Filing	National	07/28/2006	06/19/2007	D544971	Granted	06/19/2021	FEDERAL-MOGUL WORLD WIDE LLC
40765	United States	LIGHT	Design	Original Filing	National	07/28/2006	07/10/2007	D546484	Granted	07/10/2021	FEDERAL-MOGUL WORLD WIDE LLC
40766	United States	LIGHT	Design	Division	National	03/14/2007	12/18/2007	D557834	Granted	12/18/2021	FEDERAL-MOGUL WORLD WIDE LLC
40766	United States	LIGHT	Design	Original Filing	National	07/31/2006	06/26/2007	D555466	Granted	06/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
40767	United States	LIGHT	Design	Division	National	03/14/2007	01/22/2008	D560302	Granted	01/22/2022	FEDERAL-MOGUL WORLD WIDE LLC
40767	United States	LIGHT	Design	Original Filing	National	07/31/2006	06/26/2007	D555465	Granted	06/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
40768	United States	LIGHT	Design	Original Filing	National	07/31/2006	07/10/2007	D556485	Granted	07/10/2021	FEDERAL-MOGUL WORLD WIDE LLC
40769	United States	LIGHT	Design	Division	National	03/14/2007	12/18/2007	D557833	Granted	12/18/2021	FEDERAL-MOGUL WORLD WIDE LLC
40769	United States	LIGHT	Design	Original Filing	National	07/31/2006	06/26/2007	D555464	Granted	06/26/2021	FEDERAL-MOGUL WORLD WIDE LLC
40827	Japan	TRANSITIONAL LIGHTING SYSTEM FOR VEHICLE INTERIOR	Regular	Original Filing	Patent Cooperation Treaty	11/09/2007	07/11/2014	5572637	Granted	11/09/2027	FEDERAL-MOGUL CORPORATION*
40827	Republic of Korea	TRANSITIONAL LIGHTING SYSTEM FOR VEHICLE INTERIOR	Regular	Original Filing	Patent Cooperation Treaty	11/09/2007	04/01/2014	10-1386486	Granted	11/09/2027	FEDERAL-MOGUL LLC
40827	United States	TRANSITIONAL LIGHTING SYSTEM FOR VEHICLE INTERIOR	Regular	Original Filing	National	11/08/2007	09/21/2010	7800483	Granted	10/23/2028	FEDERAL-MOGUL WORLD WIDE LLC
41049	Japan	HEAD LAMP ASSEMBLY AND ACCENT LIGHTING THEREFOR	Regular	Original Filing	Patent Cooperation Treaty	06/09/2009	08/16/2013	5343126	Granted	08/09/2029	FEDERAL-MOGUL CORPORATION*
41049	United States	HEAD LAMP ASSEMBLY AND ACCENT LIGHTING THEREFOR	Regular	Original Filing	National	06/08/2009	11/29/2011	8066416	Granted	01/03/2030	FEDERAL-MOGUL IGNITION COMPANY
41119	India	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	Patent Cooperation Treaty	02/01/2011	7415C/CHENP/2012		Filed		FEDERAL-MOGUL IGNITION COMPANY
41119	Brazil	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	Patent Cooperation Treaty	02/01/2011	BR1120120192865		Filed		FEDERAL-MOGUL IGNITION COMPANY
41119	Republic of Korea	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	Patent Cooperation Treaty	02/01/2011	10-2012-7022571	10-1732429	Granted	02/01/2031	FEDERAL-MOGUL IGNITION COMPANY

Docket #	Country	Title	Case Type	Relation Type	Filing Type	Application No.	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
41119	China P.R.	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	Patent Cooperation Treaty	02/01/2011	201180011592.1 PCT/US2011/0232	09/23/2015	ZL201180011592.1	Granted	02/01/2031	FEDERAL-MOGUL IGNITION COMPANY
41119	United States	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	National	02/01/2011	13/018,506	07/16/2013	8485680	Granted	02/01/2031	FEDERAL-MOGUL IGNITION COMPANY
41119	Japan	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	Patent Cooperation Treaty	02/01/2011	2012-552027	05/02/2015	5750453	Granted	02/01/2031	FEDERAL-MOGUL IGNITION COMPANY
41119	Great Britain	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	PCT/EPC Application	02/01/2011	11702773.9	09/30/2015	2531173	Granted	02/01/2031	FEDERAL-MOGUL IGNITION COMPANY
41119	Germany	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY	Regular	Original Filing	PCT/EPC Application	02/01/2011	11702773.9	09/30/2015	602011020152.2	Granted	02/01/2031	FEDERAL-MOGUL IGNITION COMPANY
41346	United States	LAMP SOCKET	Regular	Original Filing	National	09/08/1998	09/149415	10/26/1999	5971614	Granted	09/08/2018	FEDERAL-MOGUL IGNITION COMPANY
41347	United States	ANGLED IDC LAMP SOCKET ASSEMBLY	Regular	Original Filing	National	04/13/2000	09/548,508	06/26/2003	62,509,70	Granted	04/13/2030	FEDERAL-MOGUL IGNITION COMPANY
41348	United States	ELECTRICAL CONNECTOR WITH GASKET ABUTTING LOCKING SPACER	Regular	Original Filing	National	04/23/1998	09/06-3340	01/04/2000	6010364	Granted	04/23/2018	FEDERAL-MOGUL IGNITION COMPANY
41349	United States	OUTGOSSING SHIELD FOR LAMP SOCKET	Regular	Original Filing	National	08/18/2004	10/920317	10/17/2006	7121980	Granted	08/18/2024	FEDERAL-MOGUL IGNITION COMPANY
41374	Japan	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF	Regular	Division	Patent Cooperation Treaty	04/16/2015	2015-084135	08/26/2016	5992068	Granted	02/11/2031	FEDERAL-MOGUL IGNITION COMPANY
41374	European Patent Convention	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	PCT/EPC Application	02/11/2011	11706386.7			Filed		FEDERAL-MOGUL IGNITION COMPANY
41374	Brazil	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	Patent Cooperation Treaty	02/11/2011	BR1120120203070			Filed		FEDERAL-MOGUL IGNITION COMPANY
41374	Republic of Korea	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	Patent Cooperation Treaty	02/11/2011	10-2012-7023769	09/06/2017	10-177822	Granted	02/11/2031	FEDERAL-MOGUL IGNITION COMPANY

Document #	Country	Title	Case Type	Publication Type	Filing Type	Application Date	Applicant Number	Grant Date	Patent Number	Status	Expiration Date	Owner
41374	United States	ILLUMINATED MOLDED CUP HOLDER ASSEMBLY AND METHOD	Regular	Original Filing	National	02/11/2011	134025237	11/19/2013	8385264	Granted	04/14/2031	FEDERAL-MOGUL IGNITION COMPANY
41374	China P.R.	ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	Patent Cooperation Treaty	02/11/2011	281180811874.1 PCT/US2011/024431	05/27/2015	ZL201100811874.1	Granted	02/11/2031	FEDERAL-MOGUL IGNITION COMPANY
41512	European Patent Convention	DISTRIBUTED LIGHTING ASSEMBLY	Regular	Original Filing	PCT/EPC Application	06/14/2010	10786959.6			Filed		FEDERAL-MOGUL CORPORATION*
41512	United States	DISTRIBUTED LIGHTING ASSEMBLY	Regular	Division	National	12/18/2013	147132201	01/26/2016	9243780	Granted	10/18/2030	FEDERAL-MOGUL LLC
41512	United States	DISTRIBUTED LIGHTING ASSEMBLY	Regular	Original Filing	National	06/14/2010	12814711	12/31/2013	8616740	Granted	12/02/2031	FEDERAL-MOGUL LLC
41575	Germany	LED LAMP ASSEMBLY WITH HEAT SINK	Regular	Original Filing	National	10/24/2012	102012219398.3			Filed		FEDERAL-MOGUL IGNITION CO.
41575	Brazil	LED LAMP ASSEMBLY WITH HEAT SINK	Regular	Original Filing	National	10/25/2012	BR1020130274051			Filed		FEDERAL-MOGUL IGNITION COMPANY
41575	Japan	VEHICLE LAMP ASSEMBLY	Regular	Original Filing	National	10/25/2012	2012-235522	09/08/2017	6202802	Granted	10/25/2032	FEDERAL-MOGUL IGNITION COMPANY
41575	United States	LED LAMP ASSEMBLY WITH HEAT SINK	Regular	Original Filing	National	10/26/2011	13281817	09/23/2014	8940291	Granted	10/26/2031	FEDERAL-MOGUL IGNITION COMPANY
41584	Germany	REDUCED PROFILE LAMP HAVING ENHANCED ILLUMINATION AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	PCT/EPC Application	04/21/2011	11716791.6	06/10/2016	603011628999.6	Granted	04/21/2031	FEDERAL-MOGUL IGNITION CO.
41584	United States	REDUCED PROFILE LAMP HAVING ENHANCED ILLUMINATION AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	National	04/21/2011	13891198	10/27/2015	9168864	Granted	12/08/2031	FEDERAL-MOGUL IGNITION COMPANY
41585	European Patent Convention	LIGHT ASSEMBLY FOR A VEHICLE	Regular	Original Filing	PCT/EPC Application	08/31/2010	10812741.2			Filed		FEDERAL-MOGUL CORPORATION*
41585	India	LIGHT ASSEMBLY FOR A VEHICLE	Regular	Original Filing	Patent Cooperation Treaty	08/31/2010	2728CHENP2012			Filed		FEDERAL-MOGUL CORPORATION*
41585	Brazil	LIGHT ASSEMBLY FOR A VEHICLE	Regular	Original Filing	Patent Cooperation Treaty	08/31/2010	BR1120130041851			Filed		FEDERAL-MOGUL CORPORATION*

Doc#	Country	Title	Case Type	Relation Type	Filing Type	Application No.	Application Number	Grant Date	Patent Number	Status	Expiration Date	Under
41385	Japan	LIGHT ASSEMBLY FOR A VEHICLE	Regular	Original Filing	Patent Cooperation Treaty	08/21/2010	2012-527089	06/13/2014	5360339	Granted	08/21/2030	FEDERAL-MOGUL CORPORATION*
41385	United States	LIGHT ASSEMBLY FOR A VEHICLE	Regular	Original Filing	National	08/21/2010	12872951	08/01/2012	8235569	Granted	08/21/2030	FEDERAL-MOGUL LLC
41733	United States	VEHICLE PUDDLE LAMP RESPONSIVE TO GROUND SURFACE CONDITIONS	Regular	Original Filing	National	02/07/2013	13761815	12/00/2014	8922388	Granted	02/07/2033	FEDERAL-MOGUL LLC
41734	United States	INTEGRAL LAMP ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF	Regular	Original Filing	National	12/12/2011	13016898			Filed		FEDERAL-MOGUL LLC
41765	India	LED LIGHT MODULE	Regular	Original Filing	Patent Cooperation Treaty	09/21/2011	2867C/HEMP/2013			Filed		FEDERAL-MOGUL KIGNITION COMPANY
41765	Republic of Korea	LED LIGHT MODULE	Regular	Original Filing	Patent Cooperation Treaty	09/21/2011	10-2013-7008457			Filed		FEDERAL-MOGUL KIGNITION COMPANY
41765	Brazil	LED LIGHT MODULE	Regular	Original Filing	Patent Cooperation Treaty	09/21/2011	BR11 2013 0806452			Filed		FEDERAL-MOGUL KIGNITION COMPANY
41765	Japan	LED LIGHT MODULE	Regular	Original Filing	Patent Cooperation Treaty	09/21/2011	2013-530245	12/04/2015	5848350	Granted	09/21/2031	FEDERAL-MOGUL KIGNITION COMPANY
41765	China P.R.	LED LIGHT MODULE	Regular	Original Filing	Patent Cooperation Treaty	09/21/2011	201180055804.6 PCT/US2011032479	05/04/2016	21201185055804.6	Granted	09/21/2031	FEDERAL-MOGUL KIGNITION COMPANY
41765	Germany	LED LIGHT MODULE	Regular	Original Filing	PCT/EPC Application	09/21/2011	11764057.3	05/14/2014	602011007084.3	Granted	09/21/2031	FEDERAL-MOGUL KIGNITION COMPANY
41765	Great Britain	LED LIGHT MODULE	Regular	Original Filing	PCT/EPC Application	09/21/2011	11764057.3	05/14/2014	2619614	Granted	09/21/2031	FEDERAL-MOGUL KIGNITION COMPANY
41765	United States	LED LIGHT MODULE WITH LIGHT PIPE AND REFLECTORS	Regular	Original Filing	National	09/21/2011	13238083			Granted	09/21/2031	FEDERAL-MOGUL LLC
41796	Brazil	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	Patent Cooperation Treaty	10/03/2013	BR1120150800111			Filed		FEDERAL-MOGUL CORPORATION*
41796	European Patent Convention	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	PCT/EPC Application	10/03/2013	13843671			Filed		FEDERAL-MOGUL CORPORATION*
41796	India	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	Patent Cooperation Treaty	10/03/2013	11609COLMP/2015			Filed		FEDERAL-MOGUL CORPORATION*
41796	China P.R.	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	Patent Cooperation Treaty	10/03/2013	201308064499.6 PCT/US2013063252	05/03/2017	ZL201380864499.6	Granted	10/03/2033	FEDERAL-MOGUL CORPORATION*

Patent #	Country	Title	Case Type	Statutory Type	Filing Type	Application No.	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
41796	Republic of Korea	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	Patent Cooperation Treaty	10/01/2013	10-2015-7012019			Filed		FEDERAL-MOGLUL LLC
41796	Japan	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	Patent Cooperation Treaty	10/01/2013	2015-536813			Filed		FEDERAL-MOGLUL LLC
41796	United States	LOW AND HIGH BEAM HEAD LAMP	Regular	Original Filing	National	10/10/2012	13-0608541	02/10/2015	8950812	Granted	03/08/2033	FEDERAL-MOGLUL LLC
41907	United States	MULTI-PATTERN HEADLAMP ASSEMBLY AND SYSTEM	Regular	Original Filing	National	03/14/2013	13-0803337	08/18/2015	9108566	Granted	09/11/2033	FEDERAL-MOGLUL LLC
41966	Brazil	VEHICLE BRAKE LIGHTING	Regular	Original Filing	Patent Cooperation Treaty	03/14/2014	BR1120150221440			Filed		FEDERAL-MOGLUL CORPORATION*
41966	European Patent Convention	VEHICLE BRAKE LIGHTING	Regular	Original Filing	PCT/EP Application	03/14/2014	14763454.3			Filed		FEDERAL-MOGLUL CORPORATION*
41966	India	VEHICLE BRAKE LIGHTING	Regular	Original Filing	Patent Cooperation Treaty	03/14/2014	2009/KOLNP72015			Filed		FEDERAL-MOGLUL CORPORATION*
41966	Japan	VEHICLE BRAKE LIGHTING	Regular	Original Filing	Patent Cooperation Treaty	03/14/2014	2016-302343	03/17/2017	6108648	Granted	03/14/2034	FEDERAL-MOGLUL CORPORATION*
41966	United States	VEHICLE BRAKE LIGHTING	Regular	Original Filing	National	03/14/2014	14710636			Filed		FEDERAL-MOGLUL LLC
41966	Republic of Korea	VEHICLE BRAKE LIGHTING	Regular	Original Filing	Patent Cooperation Treaty	03/14/2014	10-20157027669	08/08/2017	10-1767994	Granted	03/14/2034	FEDERAL-MOGLUL LLC
50251	Germany	OPTICAL COUPLER FOR VEHICLE LIGHTING SYSTEMS	Regular	Original Filing	Patent Cooperation Treaty	09/12/2014	112014E-11			Filed		FEDERAL-MOGLUL CORPORATION*
50251	United States	OPTICAL COUPLER FOR VEHICLE LIGHTING SYSTEMS	Regular	Original Filing	National	09/12/2014	14489078	03/17/2016	9340151	Granted	09/12/2034	FEDERAL-MOGLUL LLC
50259	United States	ILLUMINATION ASSEMBLY FOR A VEHICLE	Regular	Original Filing	National	07/31/2016	15224595			Filed		FEDERAL-MOGLUL LLC
50259	Patent Cooperation Treaty	ILLUMINATION DEVICE FOR A VEHICLE	Regular	Original Filing	Patent Cooperation Treaty	07/31/2016	US1644937			Filed		FEDERAL-MOGLUL LLC
50242	China P.R.	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	Patent Cooperation Treaty	09/24/2015	201500051772.0			Filed		FEDERAL-MOGLUL CORPORATION*
50242	Patent Cooperation Treaty	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	Patent Cooperation Treaty	09/24/2015	PCT/US2015/051925			National Stage Filed		FEDERAL-MOGLUL CORPORATION*
50242	United States	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	National	09/24/2014	US1551925			Filed		FEDERAL-MOGLUL LLC

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Doc #	Con.	Title	Case Type	Relation Type	Filing Type	Application L.	Application Number	Grant Date	Patent Number	Status	Expiration Date	Owner
50242	Brazil	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	Patent Cooperation Treaty	09/21/2013	BR 1120170860221			Filed		FEDERAL-MOGUL LLC
50242	Japan	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	Patent Cooperation Treaty	09/24/2013	2017-316376			Filed		FEDERAL-MOGUL LLC
50242	Republic of Korea	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	Patent Cooperation Treaty	09/24/2013	10-2017-7009802			Filed		FEDERAL-MOGUL LLC
50242	European Patent Convention	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	PC/EPC Application	09/24/2013	13045009.8			Filed		FEDERAL-MOGUL LLC
50242	India	WAVEGUIDE FOR CONTROLLED LIGHT DISTRIBUTION	Regular	Original Filing	Patent Cooperation Treaty	09/24/2013	201737014227			Filed		FEDERAL-MOGUL LLC
50335	United States	CLIP UNIT AND EDGE MOUNTED LIGHT EMITTING DIODE (LED) ASSEMBLY COMPRISING A CLIP UNIT	Regular	Original Filing	National	06/13/2016	13/182893 ¹			Filed		FEDERAL-MOGUL LLC
50335	Patent Cooperation Treaty	CLIP UNIT AND EDGE MOUNTED LIGHT EMITTING DIODE (LED) ASSEMBLY COMPRISING A CLIP UNIT	Regular	Original Filing	Patent Cooperation Treaty	06/13/2017	US1737219			Filed		FEDERAL-MOGUL LLC
50424	United States	ILLUMINATION ASSEMBLY FOR A VEHICLE	Regular	Original Filing	National	11/18/2016	15/356011 ²			Filed		FEDERAL-MOGUL LLC
50424	Patent Cooperation Treaty	ILLUMINATION ASSEMBLY FOR A VEHICLE	Regular	Original Filing	Patent Cooperation Treaty	11/17/2017	US1762333			Filed		FEDERAL-MOGUL LLC
50504	United States	ILLUMINATION DEVICE FOR A VEHICLE	Regular	Original Filing	National	02/06/2017	15/425492 ³			Filed		FEDERAL-MOGUL LLC
50594	United States	ILLUMINATION DEVICE FOR VEHICLE	Regular	Original Filing	National	03/15/2017	15/433800			Filed		FEDERAL-MOGUL LLC
50594	Patent Cooperation Treaty	ILLUMINATION DEVICE FOR PROVIDING DIRECTED LIGHT	Regular	Original Filing	Patent Cooperation Treaty	03/15/2017	US17717990			Filed		FEDERAL-MOGUL LLC
50803	United States	LIGHT RING ASSEMBLY	Provisional Filing	Original Filing	National	03/03/2017	62/453597 ⁴			Filed	03/03/2018	FEDERAL-MOGUL LLC

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Supplemental

Application

¹ Will be published in December 2017.

² Will be published in May 2018.

³ Will be published in August 2018.

⁴ Conversion of this application to a utility must be made by February 2, 2018 or the priority date will be lost.