

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
DELPHI INTERNATIONAL OPERATIONS LUXEMBOURG S.A.R.L.		11/29/2017
RECEIVING PARTY DATA		
Name:	DELPHI TECHNOLOGIES IP LIMITED	
Street Address:	ERIN COURT, BISHOP'S COURT HILL	
City:	ST. MICHAEL	
State/Country:	BARBADOS	
PROPERTY NUMBERS Total: 42		
Property Type	Number	
Application Number:	14425939	
Application Number:	14435508	
Application Number:	14439311	
Application Number:	14511485	
Application Number:	14616862	
Application Number:	14649578	
Application Number:	14652838	
Application Number:	14774299	
Application Number:	14780080	
Application Number:	14892250	
Application Number:	14902658	
Application Number:	14906979	
Application Number:	14907968	
Application Number:	14908607	
Application Number:	14914093	
Application Number:	15006608	
Application Number:	15007324	
Application Number:	15022235	
Application Number:	15036350	
Application Number:	15041357	
Application Number:	15102913	

PATENT

Property Type	Number
Application Number:	15104774
Application Number:	15111511
Application Number:	15112931
Application Number:	15118602
Application Number:	15300882
Application Number:	15308196
Application Number:	15309241
Application Number:	15310484
Application Number:	15321469
Application Number:	15322811
Application Number:	15323639
Application Number:	15324344
Application Number:	15325857
Application Number:	15327687
Application Number:	15510361
Application Number:	15516099
Application Number:	15533123
Application Number:	15533167
Application Number:	15577000
Application Number:	15724587
Application Number:	15813330

CORRESPONDENCE DATA

Fax Number:

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.

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Correspondent Name: DELPHI TECHNOLOGIES IP LIMITED

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ATTORNEY DOCKET NUMBER:	DLP2000A_DIOL4/4
NAME OF SUBMITTER:	JOSHUA M. HAINES
SIGNATURE:	/Joshua M. Haines/
DATE SIGNED:	01/18/2018

Total Attachments: 6

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Confirmatory Assignment

Whereas, **DELPHI INTERNATIONAL OPERATIONS LUXEMBOURG S.À.R.L.**, a limited liability company organized under the laws of the Great-Duchy of Luxembourg, the registered office of which is located at Avenue de Luxembourg, L-4940 Bascharage, hereinafter called Assignor, is the owner of the entire right, title and interest in the U.S. Patents and pending U.S. Patent Applications listed in the attached **Appendix** (hereinafter the "Assigned Patent Rights"); and

Whereas, **DELPHI TECHNOLOGIES IP LIMITED**, a company incorporated in accordance with the Companies Act CAP 308 of the laws of Barbados (company no. 41948) and licensed to operate as an International Business Company, whose registered office is at Erin Court, Bishop's Court Hill, St. Michael, Barbados, hereinafter called Assignee, desires to acquire the Assignor's entire right, title, and interest including rights to recover for past infringement in the Assigned Patents.

Therefore, in consideration of and pursuant to an IP Assignment Agreement executed by each party on November 29, 2017, the above named Assignor, hereby sells, assigns and transfers to the above named Assignee, its successors and assigns, the Assignor's entire right, title and interest including rights to recover for past infringement in the Assigned Patents; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said Assigned Patents when called upon to do so by the Assignee.

This Assignment is made effective as of November 29, 2017.

ASSIGNOR:

Delphi International Operations Luxembourg S.a.R.L.

By: 

Name: CRAG A. BALDWIN

Title: AUTHORIZED IP MANAGER

APPENDIX
List of Assigned Patent Rights

Reference No.	Country	Application No.	Filing Date	Patent No.	Issue Date
DP-304640	US	08/968483	12-Nov-1997	6053425	25-Apr-2000
DP-304619	US	09/026041	19-Feb-1998	6112718	05-Sep-2000
DP-304612	US	09/108557	01-Jul-1998	6019088	01-Feb-2000
DP-304606	US	09/110742	02-Jul-1998	5983869	16-Nov-1999
DP-304567	US	09/196082	19-Nov-1998	6041759	28-Mar-2000
DP-304556	US	09/309926	11-May-1999	6651625	25-Nov-2003
DP-304553	US	09/312507	14-May-1999	6192855	27-Feb-2001
DP-304300	US	09/416350	12-Oct-1999	6234404	22-May-2001
DP-304283	US	09/435250	05-Nov-1999	6260538	17-Jul-2001
DP-304285	US	09/451258	29-Nov-1999	6443127	03-Sep-2002
DP-304481	US	09/482582	13-Jan-2000	6328014	11-Dec-2001
DP-302546	US	09/519052	03-Mar-2000	6189817	20-Feb-2001
DP-302792	US	09/540254	31-Mar-2000	6471142	29-Oct-2002
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H-203358	US	09/544891	07-Apr-2000	6375098	23-Apr-2002
DP-303341	US	09/590707	08-Jun-2000	6758407	06-Jul-2004
DP-303424	US	09/599584	22-Jun-2000	6513733	04-Feb-2003
DP-300642	US	09/614153	11-Jul-2000	6420817	16-Jul-2002
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DP-303854	US	09/769948	25-Jan-2001	6405940	18-Jun-2002
DP-303300	US	09/904298	12-Jul-2001	6682003	27-Jan-2004
DP-303889	US	09/907011	17-Jul-2001	6776354	17-Aug-2004
DP-303516	US	09/957721	21-Sep-2001	6546913	15-Apr-2003
DP-303886	US	10/079660	20-Feb-2002	6732715	11-May-2004
DP-305374	US	10/108809	28-Mar-2002	6648610	18-Nov-2003
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DP-306273	US	10/251292	20-Sep-2002	6883499	26-Apr-2005
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DP-307952	US	10/511336	15-Oct-2004	6968827	29-Nov-2005
DP-308435	US	10/520259	06-Jan-2005	7874502	25-Jan-2011
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DP-310390	US	11/009453	10-Dec-2004	6997166	14-Feb-2006
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DP-314320	US	11/501384	09-Aug-2006	7832990	16-Nov-2010
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