

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7372624

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST RECORDED AT REEL/FRAME 050234/0069
CONVEYING PARTY DATA	
Name	Execution Date
ARES CAPITAL CORPORATION, AS SUCCESSOR COLLATERAL AGENT	06/07/2022
RECEIVING PARTY DATA	
Name:	CITY OF SKY LIMITED
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	EAGLE PROP HOLDCO LLC
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FARADAY & FUTURE INC.
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FARADAY FUTURE LLC
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FF EQUIPMENT LLC
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FF HONG KONG HOLDING LIMITED
Street Address:	18455 S. FIGUEROA STREET

PATENT

City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FF INC.
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FF MANUFACTURING LLC
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	ROBIN PROP HOLDCO LLC
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	SMART KING LTD.
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	SMART TECHNOLOGY HOLDINGS LTD.
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248
Name:	FARADAY SPE, LLC
Street Address:	18455 S. FIGUEROA STREET
City:	GARDENA
State/Country:	CALIFORNIA
Postal Code:	90248

PROPERTY NUMBERS Total: 344

Property Type	Number
Application Number:	14841617
Application Number:	15859072
Application Number:	14868234

Property Type	Number
Application Number:	14938746
Application Number:	14946699
Application Number:	15045517
Application Number:	15011404
Application Number:	15192947
Application Number:	15836720
Application Number:	15015034
Application Number:	14839670
Application Number:	14841520
Application Number:	14952829
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Application Number:	14839230
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Application Number:	14866949
Application Number:	14925928
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Application Number:	14866907
Application Number:	14929245
Application Number:	14863209
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Application Number:	15085130
Application Number:	15334193
Application Number:	14859174
Application Number:	14859182
Application Number:	15756571
Application Number:	15269671
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Application Number:	15331572
Application Number:	14972573
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Application Number:	14928718
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Application Number:	15775003
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Application Number:	15356422
Application Number:	15090513
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Application Number:	14954963
Application Number:	15336599
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Application Number:	16060917
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Application Number:	15060218
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Application Number:	15060308
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Application Number:	29550120
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Application Number:	15445979
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Application Number:	15141636
Application Number:	15064465
Application Number:	15134154
Application Number:	15064462
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Application Number:	15638238
Application Number:	15721370
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Application Number:	15199271
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Application Number:	15639370
Application Number:	15662636
Application Number:	15659870
Application Number:	15703968
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Application Number:	15662643
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Application Number:	15275573
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Property Type	Number
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Application Number:	15690168
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Application Number:	15690177
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Application Number:	15719834
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Application Number:	15941640
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Application Number:	29577352
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Application Number:	15942314
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Application Number:	15720175
Application Number:	15721115
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Property Type	Number
Application Number:	15284211
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Application Number:	29589634
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Application Number:	29589635
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Application Number:	15955338
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Application Number:	16053668
Application Number:	16054919
Application Number:	16240626
Application Number:	16240571
Application Number:	62716070
Application Number:	62723865
Application Number:	62732762
Application Number:	62732767
PCT Number:	US2018045289
PCT Number:	US2018054768

CORRESPONDENCE DATA**Fax Number:** (214)981-3400*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:** 214-981-3483**Email:** dclark@sidley.com**Correspondent Name:** DUSAN CLARK, ESQ.**Address Line 1:** SIDLEY AUSTIN LLP**Address Line 2:** 2021 MCKINNEY AVE., SUITE 2000**Address Line 4:** DALLAS, TEXAS 75201**ATTORNEY DOCKET NUMBER:** 066049-10050**NAME OF SUBMITTER:** DUSAN CLARK**SIGNATURE:** /Dusan Clark/**DATE SIGNED:** 06/08/2022**Total Attachments: 68**

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**RELEASE OF SECURITY INTEREST
IN INTELLECTUAL PROPERTY COLLATERAL**

THIS RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL (this “Release”), dated as of June 7, 2022, is made by ARES CAPITAL CORPORATION, as collateral agent (in such capacity, the “Collateral Agent”), in favor of the grantors listed on Annex I (each, a “Grantor” and collectively, the “Grantors”), as follows:

WITNESSETH:

WHEREAS, pursuant to those certain security agreements described on Annex I attached hereto (the “IP Security Agreements”), the Grantors granted a security interest in certain collateral in favor of the Collateral Agent, including the IP Collateral (as hereinafter defined); and

WHEREAS, the Collateral Agent now desires to terminate and release the IP Security Agreements and the entirety of its security interest in the IP Collateral described on Annex II attached hereto.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and upon the terms set forth in this Release, the Collateral Agent hereby agrees as follows:

1. Definitions. The term “IP Collateral”, as used herein, shall mean all of the Grantors’ right, title or interest in, or to any and all of the Intellectual Property Collateral, including the properties listed on Annex II attached hereto. Capitalized terms not defined herein have the meanings set forth in the IP Security Agreements, as applicable.

2. Release of Security Interest. The Collateral Agent, without recourse, representation or warranty and at the Grantors’ sole cost and expense, hereby terminates the IP Security Agreements and terminates, cancels, releases, relinquishes and discharges, in its entirety, for the benefit of the Grantors, and their successors and assigns, its security interest in and to the IP Collateral and any and all right, title and interest of the Collateral Agent in and to the IP Collateral. The Collateral Agent hereby authorizes the Grantors and their successors, assigns or other legal representatives to file this Release with the United States Patent and Trademark Office (the “USPTO”) at the sole expense of the Grantors, to evidence and effectuate the release and termination of the Administrative Agent’s security interest in the IP Collateral.

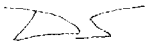
3. Delivery by Facsimile. Delivery of an executed signature page to this Release by facsimile or electronic (including .pdf file) transmission shall be as effective as delivery of a manually signed counterpart of this Release. Electronic signatures will have the same force and effect as manual signatures.

4. Governing Law. THIS RELEASE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HERETO SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Release by its duly authorized officer as of the date first above written.

ARES CAPITAL CORPORATION, as Collateral Agent

By:  _____

Name: David Schwartz

Title: Authorized signatory

ANNEX I

Security Interest Filings to be Released:

1. Intellectual Property Security Agreement dated as of April 29, 2019, by and among City of Sky Limited, Eagle Prop Holdco LLC, Faraday & Future Inc., Faraday Future LLC, FF Equipment LLC, FF Hong Kong Holding Limited, FF Inc., FF Manufacturing LLC, Robin Prop Holdco LLC, Smart King Ltd., Smart Technology Holdings Ltd. and Faraday SPE, LLC (collectively, the “Grantors”) in favor of Birch Lake Fund Management, LP, a Delaware limited partnership, as collateral agent (in such capacity and together with its successors, the “Collateral Agent”) for the Secured Parties (as defined in the Collateral Agency Agreement) and recorded with the United States Patent and Trademark Office on (i) May 1, 2019 at Reel/Frame 050234/0069 in respect of the patents and (ii) April 30, 2019 at Reel/Frame 006633/0279 in respect of the trademarks.
2. Supplement to the Intellectual Security Agreement, dated as of April 29, 2019, by and among, Faraday & Future Inc., FF Inc., Robin Prop Holdco LLC, Faraday SPE, LLC, Eagle Prop Holdco LLC, Faraday Future LLC, FF Equipment LLC, FF Hong Kong Holding Limited, FF Manufacturing LLC, FF Intelligent Mobility Global Holdings Ltd., and Smart Technology Holdings Ltd. (collectively, the “Grantors”) in favor of Birch Lake Fund Management, LP, a Delaware limited partnership, as collateral agent and recorded with the United States Patent and Trademark Office on (i) October 14, 2020 at Reel/Frame 054044/0724 in respect of the patents and (ii) it does not appear that the supplement was recorded against the trademark.

The following are a series of assignments of security interest between lenders for the above filings:

3. Acknowledgment of Successor Collateral Agent Under Intellectual Property Security Agreement, dated as of February 27, 2020, by Birch Lake Fund Management, LP, acting in its capacity as the current and resigning collateral agent and Royod LLC, acting in its capacity as the successor collateral agent.
4. Acknowledgment of Successor Collateral Agent Under Intellectual Property Security Agreement, dated as of October 9, 2020, by Royod LLC, act in its capacity as the current and resigning collateral agent and Birch Lake Fund Management, LP, acting in its capacity as the successor collateral agent.
5. Acknowledgment of Successor Collateral Agent Under Intellectual Property Security Agreement, dated as of July 21, 2021, by Birch Lake Fund Management, LP, act in its capacity as the current and resigning collateral agent and Ares Capital Corporation, acting in its capacity as the successor collateral agent.

ANNEX II

Intellectual Property Security Agreement was recorded with the United States Patent and Trademark Office on (i) May 1, 2019 at Reel/Frame 050234/0069 in respect of the patents and (ii) April 30, 2019 at Reel/Frame 006633/0279 in respect of the trademarks (as follows)

Patents

All disclosed in English are registered to Faraday&Future Inc. as the record owner and City of Sky Limited as beneficial owner.

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	PATENT TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FC0175CN1	VOLTAGE MONITORING DEVICE AND METHOD FOR MULTIPLE BATTERY MODULE SETS	CN	Foreign	Utility	Issued	201610306909.9	May 11, 2016		ZL201610306909.9	Feb 22, 2019	Nov 1, 2018	
FC0175CN2	VOLTAGE MONITORING METHOD FOR MULTIPLE BATTERY MODULES	CN	Foreign	Utility	Issued	201610306910.1	May 11, 2016		ZL201610306910.1	Feb 22, 2019	Nov 1, 2018	
FC0177CN1	VOLTAGE MONITORING DEVICE AND METHOD FOR BATTERY MODULE SET	CN	Foreign	Utility	Pending	201610306905.0	May 11, 2016					
FC0177CN2	VOLTAGE SUPERVISION FOR BATTERY MODULE GROUP	CN	Foreign	Utility	Allowed	201610306908.4	May 11, 2016				Jan 14, 2019	
FF0001CN1	VEHICLE ENERGY- STORAGE SYSTEMS	CN	Foreign	Utility	Pending	201680050022.6	Jun 28, 2016	Feb 27, 2018				
FF0001CN2	BATTERY PACK FOR VEHICLE ENERGY- STORAGE SYSTEMS	CN	Foreign	Utility	Pending	201780008922.9	Jan 27, 2017	Jul 27, 2018				
FF0001US1	VEHICLE ENERGY- STORAGE SYSTEM	US	US	Utility	Pending	14/841,617	Aug 31, 2015					
FF0001US2	VEHICLE ENERGY- STORAGE SYSTEM	US	US	Utility	Pending	15/859,072	Dec 29, 2017					
FF0001USC 1	VEHICLE ENERGY- STORAGE SYSTEMS HAVING PARALLEL COOLING	US	US	Utility	Pending	14/868,234	Sep 28, 2015					
FF0001USX 1	CURRENT CARRIER FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Pending	14/938,746	Nov 11, 2015					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF00001USX 2	BATTERY MODULE FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Pending	14/946,699	Nov 19, 2015					
FF00001USX 4	CURRENT CARRIER FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Pending	15/045,517	Feb 17, 2016					
FF00001USX 6	ELECTRICAL OVER- STRESS PROTECTION FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Pending	15/011,404	Jan 29, 2016					
FF00001USX 7	VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Pending	15/192,947	Jun 24, 2016					
FF00001USX 9	VEHICLE ENERGY- STORAGE SYSTEMS HAVING PARALLEL COOLING	US	US	Utility	Pending	15/836,720	Dec 8, 2017					
FF00002CN1	UNDERBODY FOR A MOTOR VEHICLE	CN	Foreign	Utility	Pending	201580082717.8	Dec 8, 2015	Feb 27, 2018				
FF00002CN2	TAPERED CRUSH CAN FOR A VEHICLE	CN	Foreign	Utility	Pending	201780009387.9	Jan 31, 2017	Aug 1, 2018				
FF00002USX 1	TAPERED CRUSH CAN	US	US	Utility	Issued	15/015,034	Feb 3, 2016		10,112,563	Oct 30, 2018	Jun 13, 2018	
FF00003CN1	STEERING WHEEL HAVING INTEGRATED HORN ACTUATOR AND THE METHOD OF OPERATING THE SAME	CN	Foreign	Utility	Allowed	201610741088.1	Aug 26, 2016				Oct 15, 2018	
FF00003US1	STEERING WHEEL HAVING INTEGRATED HORN ACTUATOR AND THE METHOD OF OPERATING THE SAME	US	US	Utility	Issued	14/839,670	Aug 28, 2015		9,738,220	Aug 22, 2017	May 3, 2017	
FF00004CN1	INVERTER ASSEMBLY	CN	Foreign	Utility	Issued	201510862459.7	Dec 1, 2015		ZL201510862459.7	Jun 16, 2017	May 8, 2017	
FF00004CN2	INVERTER ASSEMBLY	CN	Foreign	Utility	Pending	201780015230.7	Feb 3, 2017	Sep 5, 2018				
FF00004CND 1	INVERTER ASSEMBLY	CN	Foreign	Utility	Allowed	201610951606.2	Dec 1, 2015	Nov 2, 2016			Jan 23, 2019	
FF00004TW1	INVERTER ASSEMBLY	TW	Foreign	Utility	Pending	105114083	May 6, 2016					
FF00004TWU 1	INVERTER ASSEMBLY	TW	Foreign	Model	Issued	105206505	May 4, 2016		M532117	Nov 11, 2016	Aug 24, 2016	

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0004US1	INVERTER ASSEMBLY	US	US	Utility	Issued	14/841,520	Aug 31, 2015		9,241,428	Jan 19, 2016		
FF0004USC 1	INVERTER ASSEMBLY	US	US	Utility	Allowed	14/952,829	Nov 25, 2015				Feb 20, 2019	
FF0005CN1	ACTIVE VEHICLE SKIRT PANEL AND THE METHOD OF CONTROLLING THE SAME	CN	Foreign	Utility	Pending	201610797577.9	Aug 31, 2016					
FF0005US1	ACTIVE VEHICLE SKIRT PANEL AND THE METHOD OF CONTROLLING THE SAME	US	US	Utility	Issued	14/840,912	Aug 31, 2015		9,932,074	Apr 3, 2018	Dec 1, 2017	
FF0006CN1	INTUITIVE VEHICLE CONTROL	CN	Foreign	Utility	Pending	201610730610.6	Aug 26, 2016					
FF0006US1	INTUITIVE VEHICLE CONTROL	US	US	Utility	Issued	14/839,230	Aug 28, 2015		9,669,712	Jun 6, 2017	Jan 25, 2017	
FF0007CN1	INTEGRATED DRIVE AND MOTOR ASSEMBLIES	CN	Foreign	Utility	Pending	201680056348.X	Sep 23, 2016	Mar 27, 2018				
FF0007US1	INTEGRATED DRIVE AND MOTOR ASSEMBLIES	US	US	Utility	Pending	15/764,827	Sep 23, 2016	Mar 29, 2018				
FF0008CN1	HEAT PIPE FOR VEHICLE ENERGY-STORAGE SYSTEMS	CN	Foreign	Utility	Pending	201580082711.0	Dec 9, 2015	Feb 27, 2018				
FF0008US1	HEAT PIPE FOR VEHICLE ENERGY-STORAGE SYSTEMS	US	US	Utility	Issued	14/866,949	Sep 26, 2015		9,995,535	Jun 12, 2018	Jan 17, 2018	
FF0008USC 1	HEAT PIPE FOR VEHICLE ENERGY-STORAGE SYSTEMS	US	US	Utility	Issued	14/925,928	Oct 28, 2015		9,995,536	Jun 12, 2018	Jan 18, 2018	
FF0009CN1	HEAT EXCHANGER FOR VEHICLE ENERGY-STORAGE SYSTEMS	CN	Foreign	Utility	Pending	201580082789.2	Dec 15, 2015	Feb 28, 2018				
FF0009US1	HEAT EXCHANGER FOR VEHICLE ENERGY-STORAGE SYSTEMS	US	US	Utility	Pending	14/866,882	Sep 26, 2015					
FF0010CN1	SOLID STATE SWITCH FOR VEHICLE	CN	Foreign	Utility	Pending	201580082791.X	Dec 28, 2015	Feb 28, 2018				

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OFFICE
	ENERGY- STORAGE SYSTEMS											
FF0010US1	SOLID STATE SWITCH FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Pending	14/864,815	Sep 24, 2015					
FF0011CN1	PARTIALLY- SUBMERGED BATTERY CELLS FOR VEHICLE ENERGY- STORAGE SYSTEMS	CN	Foreign	Utility	Pending	201580082739.4	Dec 30, 2015	Feb 27, 2018				
FF0011CN2	FULLY- SUBMERGED BATTERY CELLS FOR VEHICLE ENERGY- STORAGE SYSTEMS	CN	Foreign	Utility	Pending	201580082718.2	Dec 30, 2015	Feb 27, 2018				
FF0011US1	PARTIALLY- SUBMERGED BATTERY CELLS FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Issued	14/866,907	Sep 26, 2015		9,692,096	Jun 27, 2017	Apr 21, 2017	
FF0011USX 1	FULLY- SUBMERGED BATTERY CELLS FOR VEHICLE ENERGY- STORAGE SYSTEMS	US	US	Utility	Issued	14/929,245	Oct 30, 2015		9,692,095	Jun 27, 2017	May 8, 2017	
FF0012CN1	DUAL GAP CURRENT SENSOR FOR MULTI PHASE CONDUCTION SYSTEM	CN	Foreign	Utility	Pending	201580083369.6	Dec 9, 2015	Mar 23, 2018				
FF0012US1	DUAL GAP CURRENT SENSOR FOR MULTI PHASE CONDUCTION SYSTEM	US	US	Utility	Issued	14/863,209	Sep 23, 2015		9,810,722	Nov 7, 2017	Jul 3, 2017	
FF0012USC 1	DUAL GAP CURRENT SENSOR FOR MULTI PHASE CONDUCTION SYSTEM	US	US	Utility	Issued	15/085,045	Mar 30, 2016		9,784,768	Oct 10, 2017	Jun 7, 2017	
FF0013CN1	THRUST BALANCED PLANETARY GEAR ASSEMBLIES	CN	Foreign	Utility	Pending		Dec 21, 2015	Apr 28, 2018				
FF0013US1	THRUST BALANCED PLANETARY GEAR ASSEMBLIES	US	US	Utility	Issued	14/929,041	Oct 30, 2015		10,253,848	Apr 9, 2019	Nov 28, 2018	
FF0015CN1	INTERIOR PERMANENT MAGNET MACHINE FOR AUTOMOTIVE ELECTRIC VEHICLES	CN	Foreign	Utility	Pending	201580083614.3	Dec 9, 2015	Mar 30, 2018				

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0015US1	INTERIOR PERMANENT MAGNET MACHINE FOR AUTOMOTIVE ELECTRIC VEHICLES	US	US	Utility	Issued	14/871,429	Sep 30, 2015		9,520,752	Dec 13, 2016	Oct 19, 2016	
FF0015USC 1	INTERIOR PERMANENT MAGNET MACHINE FOR AUTOMOTIVE ELECTRIC VEHICLES	US	US	Utility	Issued	15/085,130	Mar 30, 2016		9,742,251	Aug 22, 2017	Apr 24, 2017	
FF0015USC 2	INTERIOR PERMANENT MAGNET MACHINE FOR AUTOMOTIVE ELECTRIC VEHICLES	US	US	Utility	Issued	15/334,193	Oct 25, 2016		9,917,495	Mar 13, 2018	Nov 1, 2017	
FF0016CN1	METHODS AND APPARATUS FOR GENERATING CURRENT COMMANDS FOR AN INTERIOR PERMANENT MAGNET (IPM) MOTOR	CN	Foreign	Utility	Pending	201580083165.2	Dec 17, 2015	Mar 16, 2018				
FF0016US1	METHODS AND APPARATUS FOR GENERATING CURRENT COMMANDS FOR AN INTERIOR PERMANENT MAGNET (IPM) MOTOR	US	US	Utility	Issued	14/859,174	Sep 18, 2015		9,762,164	Sep 12, 2017	Mar 29, 2017	
FF0017CN1	METHODS AND APPARATUS FOR GENERATING CURRENT COMMANDS FOR AN INTERIOR PERMANENT MAGNET (IPM) MOTOR	CN	Foreign	Utility	Pending	201580083178.X	Dec 17, 2015	Mar 16, 2018				
FF0017US1	METHODS AND APPARATUS FOR GENERATING CURRENT COMMANDS FOR AN INTERIOR PERMANENT MAGNET (IPM) MOTOR	US	US	Utility	Issued	14/859,182	Sep 18, 2015		9,768,719	Sep 19, 2017	May 18, 2017	
FF0018CN1	PRE-ENTRY AUTO-ADJUSTMENT OF VEHICLE SETTINGS	CN	Foreign	Utility	Pending	201680050002.9	Aug 30, 2016	Feb 27, 2018				

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0018US1	PRE-ENTRY AUTO-ADJUSTMENT OF VEHICLE SETTINGS	US	US	Utility	Pending	15/756,571	Aug 30, 2016	Feb 28, 2018				
FF0019CN1	DIMMABLE SUNVISOR	CN	Foreign	Utility	Pending	201610842652.9	Sep 22, 2016					
FF0019US1	DIMMABLE SUNVISOR	US	US	Utility	Issued	15/269,671	Sep 19, 2016		10,183,557	Jan 22, 2019	Sep 7, 2018	
FF0020CN1	DRIVER VISIBILITY ENHANCING SEAT ADJUSTMENT	CN	Foreign	Utility	Allowed	201610736621.5	Aug 26, 2016				Jan 14, 2019	
FF0020US1	DRIVER VISIBILITY ENHANCING SEAT ADJUSTMENT	US	US	Utility	Issued	14/839,735	Aug 28, 2015		9,827,875	Nov 28, 2017	Jul 28, 2017	
FF0021CN1	SYSTEM AND METHOD FOR OPERATING VEHICLE DOOR	CN	Foreign	Utility	Pending	201611090531.X	Dec 1, 2016					
FF0021CN2	SYSTEM AND METHOD FOR OPERATING VEHICLE DOOR	CN	Foreign	Utility	Pending	201710063590.6	Feb 3, 2017					
FF0021CN3	SYSTEM AND METHOD FOR OPENING AND CLOSING VEHICLE DOOR	CN	Foreign	Utility	Pending	201680051012.4	Sep 1, 2016	Mar 2, 2018				
FF0021CN4	DOOR ENTRY SENSOR	CN	Foreign	Utility	Pending	201780014156.7	Feb 28, 2017	Aug 29, 2018				
FF0021EP1	SYSTEM AND METHOD FOR OPENING AND CLOSING VEHICLE DOOR	EP	Foreign	Utility	Pending	16/661,693	Sep 1, 2016	Mar 28, 2018				
FF0021JP1	SYSTEM AND METHOD FOR OPENING AND CLOSING VEHICLE DOOR	JP	Foreign	Utility	Pending	2018-512133	Sep 1, 2016	Mar 5, 2018				
FF0021KR1	SYSTEM AND METHOD FOR OPENING AND CLOSING VEHICLE DOOR	KR	Foreign	Utility	Pending	10-2018-7009108	Sep 1, 2016	Mar 30, 2018				

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	STATUS	STATE	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0021US1	SYSTEM AND METHOD FOR OPERATING VEHICLE DOOR	US	US	Utility	Allowed	15/365,705	Nov 30, 2016				Jan 28, 2019	
FF0021US2	SYSTEM AND METHOD FOR OPERATING VEHICLE DOOR	US	US	Utility	Pending	15/417,330	Jan 27, 2017					
FF0021US3	SYSTEM AND METHOD FOR OPENING AND CLOSING VEHICLE DOOR	US	US	Utility	Pending	15/757,651	Sep 1, 2016	Mar 5, 2018				
FF0021US4	DOOR ENTRY SENSOR	US	US	Utility	Pending	16/080,664	Feb 28, 2017	Aug 28, 2018				
FF0022CN1	SCENE RECONSTRUCTION USING PRE-BUFFERING IN SENSOR TRIGGERED AUTOMOBILE CAMERAS	CN	Foreign	Utility	Pending	201610866689.5	Sep 29, 2016					
FF0024CN1	GPS ASSIST IN REGENERATIVE BRAKING	CN	Foreign	Utility	Allowed	201610850985.6	Sep 26, 2016				Aug 22, 2018	
FF0024US1	GPS ASSIST IN REGENERATIVE BRAKING	US	US	Utility	Pending	15/274,883	Sep 23, 2016					
FF0025CN1	DATA TRANSFERRING SYSTEM FOR A VEHICLE	CN	Foreign	Utility	Pending	201610692547.1	Aug 19, 2016					
FF0026CN1	VEHICLE CONTROL SYSTEM FOR IMPROVING OCCUPANT SAFETY	CN	Foreign	Utility	Pending	201610665274.1	Aug 12, 2016					
FF0027CN1	IN-VEHICLE CAMERA SYSTEM	CN	Foreign	Utility	Allowed	201610692533.X	Aug 19, 2016				Mar 5, 2019	
FF0027US1	IN-VEHICLE CAMERA SYSTEM	US	US	Utility	Issued	14/860,672	Sep 21, 2015		9,942,522	Apr 10, 2018	Dec 4, 2017	
FF0028CN1	CAMERA SYSTEM FOR DISPLAYING AN AREA EXTERIOR TO A VEHICLE	CN	Foreign	Utility	Pending	201610663467.3	Aug 12, 2016					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MAINTENANCE TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0028US1	CAMERA SYSTEM FOR DISPLAYING AN AREA EXTERIOR TO A VEHICLE	US	US	Utility	Pending	14/871,914	Sep 30, 2015					
FF0029CN1	SOLAR WINDOWS FOR ELECTRIC AUTOMOBILES	CN	Foreign	Utility	Pending	201610771170.9	Aug 30, 2016					
FF0029US1	SOLAR WINDOWS FOR ELECTRIC AUTOMOBILES	US	US	Utility	Pending	15/245,959	Aug 24, 2016					
FF0030CN1	PROGRAMMABLE ONBOARD INTERFACE	CN	Foreign	Utility	Pending	201610873321.1	Sep 30, 2016					
FF0030US1	PROGRAMMABLE ONBOARD INTERFACE	US	US	Utility	Issued	15/281,487	Sep 30, 2016		10,042,432	Aug 7, 2018	Mar 30, 2018	
FF0036US1	INVERTER DC BUS BAR ASSEMBLY	US	US	Utility	Issued	14/841,526	Aug 31, 2015		10,135,355	Nov 20, 2018	Jul 13, 2018	
FF0037CN1	INVERTER AC BUS BAR ASSEMBLY	CN	Foreign	Utility	Pending	201610791019.1	Aug 31, 2016					
FF0037US1	INVERTER AC BUS BAR ASSEMBLY	US	US	Utility	Pending	14/841,532	Aug 31, 2015					
FF0039CN1	SYSTEM AND METHOD FOR OPERATING VEHICLE USING MOBILE DEVICE	CN	Foreign	Utility	Pending	201610874588.2	Sep 30, 2016					
FF0039US1	SYSTEM AND METHOD FOR OPERATING VEHICLE USING MOBILE DEVICE	US	US	Utility	Issued	14/871,874	Sep 30, 2015		9,830,757	Nov 28, 2017	Aug 4, 2017	
FF0040CN1	ACTIVE PIVOTING WINDOW REGULATOR SYSTEM	CN	Foreign	Utility	Allowed	201610829151.7	Sep 18, 2016				Apr 10, 2018	
FF0040US1	ACTIVE PIVOTING WINDOW REGULATOR SYSTEM	US	US	Utility	Pending	15/267,758	Sep 16, 2016					
FF0041CN1	METHOD AND APPARATUS FOR DETERMINING BATTERY PARAMETERS	CN	Foreign	Utility	Pending	201610846161.1	Sep 23, 2016					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OFFICE
FF0041US1	METHOD AND APPARATUS FOR DETERMINING BATTERY PARAMETERS	US	US	Utility	Pending	15/275,204	Sep 23, 2016					
FF0042CN1	ELECTRIC DOOR RELEASE SYSTEM	CN	Foreign	Utility	Pending	201610866635.9	Sep 29, 2016					
FF0042US1	ELECTRIC DOOR RELEASE SYSTEM	US	US	Utility	Allowed	15/279,607	Sep 29, 2016				Jan 14, 2019	
FF0043CN1	SYSTEMS AND METHODS FOR DETECTION AND PROCESSING OF PRESSURE SIGNALS	CN	Foreign	Utility	Pending	201610868307.2	Sep 29, 2016					
FF0043US1	SYSTEMS AND METHODS FOR DETECTION AND PROCESSING OF PRESSURE SIGNALS	US	US	Utility	Issued	15/273,455	Sep 22, 2016		10,078,024	Sep 18, 2018	May 15, 2018	
FF0044CN1	LOW-POWER ACCESS AUTHENTICATION	CN	Foreign	Utility	Pending	201610850998.3	Sep 26, 2016					
FF0045CN1	METHODS AND APPARATUS FOR GENERATING DIGITAL BOUNDARIES BASED ON OVERHEAD IMAGES	CN	Foreign	Utility	Pending	201610873309.0	Sep 30, 2016					
FF0045US1	METHODS AND APPARATUS FOR GENERATING DIGITAL BOUNDARIES BASED ON OVERHEAD IMAGES	US	US	Utility	Pending	15/279,157	Sep 28, 2016					
FF0046CN1	SYSTEM AND METHOD FOR STEERING COMPENSATION	CN	Foreign	Utility	Pending	201680056338.6	Sep 26, 2016	Mar 27, 2018				
FF0046US1	SYSTEM AND METHOD FOR STEERING COMPENSATION	US	US	Utility	Pending	15/763,606	Sep 26, 2016	Mar 27, 2018				
FF0047CN1	METHOD AND SYSTEM FOR OVERCURRENT PROTECTION FOR	CN	Foreign	Utility	Pending	201680063209.X	Oct 21, 2016	Apr 27, 2018				

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	ORIGIN
	INSULATED-GATE BIPOLAR TRANSISTOR (IGBT) MODULES											
FF0047CN2	METHODS AND SYSTEMS FOR INTERCONNECTING PARALLEL IGBT MODULES	CN	Foreign	Utility	Pending		Oct 24, 2016	Apr 27, 2018				
FF0047US1	METHODS AND SYSTEMS FOR INTERCONNECTING PARALLEL IGBT MODULES	US	US	Utility	Issued	14/929,173	Oct 30, 2015		9,762,146	Sep 12, 2017	May 9, 2017	
FF0047USX1	METHOD AND SYSTEM FOR OVERCURRENT PROTECTION FOR INSULATED-GATE BIPOLAR TRANSISTOR (IGBT) MODULES	US	US	Utility	Issued	15/011,364	Jan 29, 2016		9,912,225	Mar 6, 2018	Oct 25, 2017	
FF0048CN1	SENSOR-TRIGGERING OF FRICTION AND REGENERATIVE BRAKING	CN	Foreign	Utility	Pending	201580028721.6	Dec 21, 2015	Nov 30, 2016				
FF0048US1	SENSOR-TRIGGERING OF FRICTION AND REGENERATIVE BRAKING	US	US	Utility	Issued	14/869,239	Sep 29, 2015		9,499,141	Nov 22, 2016	Oct 7, 2016	
FF0048USC1	SENSOR-TRIGGERING OF FRICTION AND REGENERATIVE BRAKING	US	US	Utility	Issued	15/331,462	Oct 21, 2016		10,189,452	Jan 29, 2019	Sep 19, 2018	
FF0049CN1	IMPACT ABSORBING DEVICE DEFINING APERTURE	CN	Foreign	Utility	Pending	201610872596.3	Sep 30, 2016					
FF0049US1	IMPACT ABSORBING DEVICE DEFINING APERTURE	US	US	Utility	Issued	15/273,957	Sep 23, 2016		10,005,410	Jun 26, 2018	Feb 23, 2018	
FF0050CN1	AUTHENTICATION CONTROL SYSTEM FOR A VEHICLE	CN	Foreign	Utility	Pending	201680063547.3	Oct 21, 2016	Apr 28, 2018				
FF0050US1	AUTHENTICATION CONTROL SYSTEM FOR A VEHICLE	US	US	Utility	Pending	15/772,039	Oct 21, 2016	Apr 27, 2018				
FF0051CN1	SYSTEMS AND METHODS FOR USER BASED VEHICLE ACCESS CONTROL	CN	Foreign	Utility	Pending	201610925758.5	Oct 24, 2016					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATTER TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	ORIGINATOR
FF0051US1	SYSTEMS AND METHODS FOR USER BASED VEHICLE ACCESS CONTROL	US	US	Utility	Issued	15/331,572	Oct 21, 2016		10,147,257	Dec 4, 2018	Jul 30, 2018	
FF0052CN1	DUAL PHASE BATTERY COOLING SYSTEM	CN	Foreign	Utility	Pending	201680055233.9	Sep 20, 2016	Mar 22, 2018				
FF0052US1	DUAL PHASE BATTERY COOLING SYSTEM	US	US	Utility	Issued	14/972,573	Dec 17, 2015		10,218,043	Feb 26, 2019	Oct 9, 2018	
FF0053CN1	METHOD FOR MEASURING ELECTRICAL ISOLATION OF A VEHICLE CHASSIS	CN	Foreign	Utility	Pending	201611161431.1	Dec 15, 2016					
FF0053US1	METHOD FOR MEASURING ELECTRICAL ISOLATION OF A VEHICLE CHASSIS	US	US	Utility	Issued	14/975,289	Dec 18, 2015		10,126,344	Nov 13, 2018	Jul 12, 2018	
FF0054CN1	SYSTEMS AND METHODS FOR DISENGAGING A BATTERY	CN	Foreign	Utility	Pending	201580030775.6	Dec 16, 2015	Dec 9, 2016				
FF0054US1	SYSTEMS AND METHODS FOR DISENGAGING A BATTERY	US	US	Utility	Issued	14/928,718	Oct 30, 2015		9,783,078	Oct 10, 2017	Jun 9, 2017	
FF0054USC1	SYSTEMS AND METHODS FOR DISENGAGING A BATTERY	US	US	Utility	Issued	14/956,300	Dec 1, 2015		9,525,291	Dec 20, 2016	Oct 25, 2016	
FF0055CN1	VEHICLE CHARGING SYSTEMS AND METHODS	CN	Foreign	Utility	Pending	201680063869.8	Nov 8, 2016	May 2, 2018				
FF0055CN2	SYSTEMS AND METHODS FOR INTEGRATED VEHICLE CHARGING AND CONTENT DELIVERY	CN	Foreign	Utility	Pending	201680074937.0	Dec 20, 2016	Jun 20, 2018				
FF0055US1	SYSTEMS AND METHODS FOR INTEGRATED VEHICLE CHARGING AND CONTENT DELIVERY	US	US	Utility	Pending	15/775,003	Dec 20, 2016	May 9, 2018				
FF0056CN1	INTERIOR MAGNET MACHINE DESIGN	CN	Foreign	Utility	Pending	201680063697.4	Oct 27, 2016	Apr 28, 2018				

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
	WITH LOW CORE LOSSES											
FF0056US1	INTERIOR MAGNET MACHINE DESIGN WITH LOW CORE LOSSES	US	US	Utility	Pending	15/772,041	Oct 27, 2016	Apr 27, 2018				
FF0058CN1	METHODS AND SYSTEMS FOR GENERATING DYNAMIC USER INTERFACE EFFECTS	CN	Foreign	Utility	Pending	201610931368.9	Oct 31, 2016					
FF0058US1	METHODS AND SYSTEMS FOR GENERATING DYNAMIC USER INTERFACE EFFECTS	US	US	Utility	Pending	15/336,853	Oct 28, 2016					
FF0058US2	SYSTEM FOR PROVIDING COLOR BALANCE IN AUTOMOTIVE DISPLAY	US	US	Utility	Pending	16/097,611	Apr 28, 2017	Oct 29, 2018				
FF0059CN1	SYSTEM FOR DETERMINING COMMON INTERESTS OF VEHICLE OCCUPANTS	CN	Foreign	Utility	Pending		Oct 28, 2016	Apr 28, 2018				
FF0059US1	SYSTEM FOR DETERMINING COMMON INTERESTS OF VEHICLE OCCUPANTS	US	US	Utility	Pending	15/772,509	Oct 28, 2016	Apr 30, 2018				
FF0061CN1	ELECTRIC VEHICLE BATTERY CHARGE AND DISCHARGE MANAGEMENT	CN	Foreign	Utility	Pending	201610932784.0	Oct 31, 2016					
FF0061US1	ELECTRIC VEHICLE BATTERY CHARGE AND DISCHARGE MANAGEMENT	US	US	Utility	Issued	15/337,909	Oct 28, 2016		10,259,337	Apr 16, 2019	Dec 6, 2018	
FF0062CN1	ELECTRIC VEHICLE BATTERY TEST	CN	Foreign	Utility	Pending	201610932155.8	Oct 31, 2016					
FF0062US1	ELECTRIC VEHICLE BATTERY TEST	US	US	Utility	Pending	15/336,034	Oct 27, 2016					
FF0063CN1	JOINT FOR AN UNDERBODY OF A MOTOR VEHICLE	CN	Foreign	Utility	Pending	201680063568.5	Oct 28, 2016	Apr 28, 2018				

PAT. NUMBER	TITLE	COUNTRY CODE	COUNTRY	MAINT. TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0063US1	WEBBING DEVICES FOR AN UNDERBODY OF A MOTOR VEHICLE	US	US	Utility	Allowed	15/078,871	Mar 23, 2016				Jan 17, 2019	
FF0063USX1	JOINT FOR AN UNDERBODY OF A MOTOR VEHICLE	US	US	Utility	Issued	15/240,976	Aug 18, 2016		10,131,381	Nov 20, 2018	Jul 12, 2018	
FF0066CN1	DOOR HINGE MECHANISM FOR A VEHICLE	CN	Foreign	Utility	Pending	201680060608.0	Oct 20, 2016	Apr 16, 2018				
FF0066US1	DOOR HINGE MECHANISM FOR A VEHICLE	US	US	Utility	Pending	15/770,178	Oct 20, 2016	Apr 20, 2018				
FF0068CN1	WINDSHIELD WIPER FLUID REFILLING SYSTEM	CN	Foreign	Utility	Pending	201610971411.4	Oct 31, 2016					
FF0068US1	WINDSHIELD WIPER FLUID REFILLING SYSTEM	US	US	Utility	Issued	14/928,632	Oct 30, 2015		10,150,453	Dec 11, 2018	Aug 7, 2018	
FF0069CN1	METHODS AND APPARATUS FOR IMPROVED PRECISION STREET MAPS USING LOW COST SENSORS	CN	Foreign	Utility	Pending	201610932812.9	Oct 31, 2016					
FF0069US1	METHODS AND APPARATUS FOR IMPROVED PRECISION STREET MAPS USING LOW COST SENSORS	US	US	Utility	Issued	15/334,914	Oct 26, 2016		10,066,947	Sep 4, 2018	May 9, 2018	
FF0070CN1	METHODS AND SYSTEMS FOR ELECTRONICALLY ASSISTED LANE ENTRANCE	CN	Foreign	Utility	Pending	201610967533.6	Oct 31, 2016					
FF0070US1	METHODS AND SYSTEMS FOR ELECTRONICALLY ASSISTED LANE ENTRANCE	US	US	Utility	Issued	15/335,187	Oct 26, 2016		10,217,363	Feb 26, 2019	Sep 5, 2018	
FF0071CN1	SYSTEM AND METHOD FOR VEHICLE DATA COMMUNICATION	CN	Foreign	Utility	Pending	201610932172.1	Oct 31, 2016					
FF0071US1	SYSTEM AND METHOD FOR VEHICLE DATA COMMUNICATION	US	US	Utility	Issued	15/338,208	Oct 28, 2016		10,206,015	Feb 12, 2019	Oct 3, 2018	

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATER IAL TYPE	STAT US	APPLICATI ON NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRAN T DATE	ALLOW ED DATE	ORIGIN
FF0072CN1	SECURE VEHICLE NETWORK ARCHITECTURE	CN	Foreign	Utility	Pending	201611045086.5	Nov 21, 2016					
FF0072US1	SECURE VEHICLE NETWORK ARCHITECTURE	US	US	Utility	Pending	15/356,422	Nov 18, 2016					
FF0073CN1	LOCATION BASED PARKING METER TIME REMINDER	CN	Foreign	Utility	Pending	201611090072.5	Nov 30, 2016					
FF0073US1	LOCATION BASED PARKING METER TIME REMINDER	US	US	Utility	Issued	15/090,513	Apr 4, 2016		9,691,190	Jun 27, 2017	Mar 17, 2017	
FF0075CN1	LIGHT-WEIGHT COOLANT BOTTLE	CN	Foreign	Utility	Pending	201710004847.7	Jan 4, 2017					
FF0075US1	LIGHT-WEIGHT COOLANT BOTTLE	US	US	Utility	Pending	15/397,924	Jan 4, 2017					
FF0076CN1	SYSTEMS AND METHODS FOR AUTOMATIC DETECTION OF AN OCCUPANT CONDITION IN A VEHICLE BASED ON DATA AGGREGATION	CN	Foreign	Utility	Pending	201611082449.2	Nov 30, 2016					
FF0076US1	SYSTEMS AND METHODS FOR AUTOMATIC DETECTION OF AN OCCUPANT CONDITION IN A VEHICLE BASED ON DATA AGGREGATION	US	US	Utility	Pending	15/364,436	Nov 30, 2016					
FF0077CN1	INFOTAINMENT BASED ON VEHICLE NAVIGATION DATA	CN	Foreign	Utility	Pending	201680070137.1	Nov 30, 2016	May 30, 2018				
FF0077US1	INFOTAINMENT BASED ON VEHICLE NAVIGATION DATA	US	US	Utility	Pending	15/780,232	Nov 30, 2016	May 30, 2018				
FF0079CN1	SYSTEM AND METHOD FOR IMPROVING ACCELERATION PERFORMANCE OF AN ELECTRIC VEHICLE	CN	Foreign	Utility	Pending	201680075861.3	Dec 6, 2016	Jun 22, 2018				
FF0079US1	SYSTEM AND METHOD FOR IMPROVING ACCELERATION	US	US	Utility	Issued	14/979,237	Dec 22, 2015		9,722,518	Aug 1, 2017	Jun 29, 2017	

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	PERFORMANCE OF AN ELECTRIC VEHICLE											
FF0079USC1	SYSTEM AND METHOD FOR IMPROVING ACCELERATION PERFORMANCE OF AN ELECTRIC VEHICLE	US	US	Utility	Issued	15/098,087	Apr 13, 2016		9,481,254	Nov 1, 2016	Sep 16, 2016	
FF0080US1	SWITCHING INTERFERENCE SUPPRESSION IN MOTOR DRIVING CIRCUITS USING SPACE VECTOR PULSE WIDTH MODULATION (PWM)	US	US	Utility	Issued	15/058,635	Mar 2, 2016		9,608,545	Mar 28, 2017	Dec 13, 2016	
FF0081CN1	DETECTING POSITION MEASUREMENT ERRORS IN AN ELECTRIC MOTOR SYSTEM	CN	Foreign	Utility	Pending	201680070138.6	Nov 22, 2016	May 30, 2018				
FF0081US1	DETECTING POSITION MEASUREMENT ERRORS IN AN ELECTRIC MOTOR SYSTEM	US	US	Utility	Pending	14/954,963	Nov 30, 2015					
FF0082CN1	CAN LISTEN ONLY CONFIGURATION FOR SAFETY CRITICAL SYSTEMS	CN	Foreign	Utility	Pending	201610963109.4	Oct 28, 2016					
FF0082US1	LISTEN ONLY CONFIGURATION FOR SAFETY CRITICAL SYSTEMS	US	US	Utility	Pending	15/336,599	Oct 27, 2016					
FF0084CN1	REDUNDANT CIRCUIT DISCONNECTION FOR ELECTRIC VEHICLES	CN	Foreign	Utility	Allowed	201710056740.0	Jan 25, 2017				Mar 28, 2019	
FF0084USC1	REDUNDANT CIRCUIT DISCONNECTION FOR ELECTRIC VEHICLES	US	US	Utility	Issued	15/093,101	Apr 7, 2016		9,731,606	Aug 15, 2017	Apr 12, 2017	
FF0085CN1	CAMERA-BASED VEHICLE POSITION DETERMINATION WITH KNOWN TARGET	CN	Foreign	Utility	Pending	201611080309.1	Nov 30, 2016					
FF0085US1	CAMERA-BASED VEHICLE POSITION DETERMINATION WITH KNOWN TARGET	US	US	Utility	Issued	15/365,410	Nov 30, 2016		10,227,017	Mar 12, 2019	Oct 3, 2018	

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FF0086CN1	A CROWD-SOURCED BROADCASTING SYSTEM AND METHOD	CN	Foreign	Utility	Pending	201580085187.2	Dec 8, 2015	Jun 8, 2018				
FF0086US1	A CROWD-SOURCED BROADCASTING SYSTEM AND METHOD	US	US	Utility	Pending	16/060,917	Dec 8, 2015	Jun 8, 2018				
FF0087CN1	PRE-CHARGE SYSTEM AND METHOD	CN	Foreign	Utility	Pending	201611152073.8	Dec 14, 2016					
FF0087US1	PRE-CHARGE SYSTEM AND METHOD	US	US	Utility	Issued	14/969,572	Dec 15, 2015		10,076,964	Sep 18, 2018	May 21, 2018	
FF0088CN1	SYSTEMS AND METHODS FOR CONNECTING BATTERY STRINGS TO A DC BUS	CN	Foreign	Utility	Pending	201611152425.X	Dec 14, 2016					
FF0088US1	SYSTEMS AND METHODS FOR CONNECTING BATTERY STRINGS TO A DC BUS	US	US	Utility	Pending	14/969,644	Dec 15, 2015					
FF0089CN1	DETECTION OF WELDED CONTACTOR USING AC COUPLING	CN	Foreign	Utility	Pending	201710045210.6	Jan 20, 2017					
FF0089US1	DETECTION OF WELDED CONTACTOR USING AC COUPLING	US	US	Utility	Issued	15/001,888	Jan 20, 2016		9,817,050	Nov 14, 2017	Jul 6, 2017	
FF0092US1	INTEGRATED TRAILER HITCH AND JUMP START SYSTEM	US	US	Utility	Issued	15/050,077	Feb 22, 2016		10,023,056	Jul 17, 2018	Mar 22, 2018	
FF0092US2	EXTERNAL POWER SUPPLY FOR AN ELECTRIC VEHICLE	US	US	Utility	Pending	15/7721,357	Sep 29, 2017					
FF0093CN1	TEMPERATURE DEPENDENT FUSE FOR BATTERY COOLING SYSTEM	CN	Foreign	Utility	Pending	201710097133.9	Feb 22, 2017					
FF0093US1	TEMPERATURE DEPENDENT FUSE FOR BATTERY COOLING SYSTEM	US	US	Utility	Pending	15/050,269	Feb 22, 2016					
FF0094US1	ELECTRIC VEHICLE BATTERY	US	US	Utility	Issued	15/060,331	Mar 3, 2016		9,595,705	Mar 14, 2017	Nov 30, 2016	

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FF0094USD 1	ELECTRIC VEHICLE BATTERY	US	US	Utility	Allowed	15/437,541	Feb 21, 2017		10,283,752	May 7, 2019	Dec 28, 2018	
FF0095CN1	SERIAL COMMUNICATION SAFETY CONTROLLER	CN	Foreign	Utility	Pending	201680076491.5	Oct 20, 2016	Jun 26, 2018				
FF0095US1	SERIAL COMMUNICATION SAFETY CONTROLLER	US	US	Utility	Issued	15/157,258	May 17, 2016		9,592,738	Mar 14, 2017	Nov 18, 2016	
FF0095USD 1	SERIAL COMMUNICATION SAFETY CONTROLLER	US	US	Utility	Pending	15/430,396	Feb 10, 2017					
FF0096US1	AUTONOMOUS VEHICLE CHARGING STATION CONNECTION	US	US	Utility	Issued	15/017,491	Feb 5, 2016		10,071,645	Sep 11, 2018	May 7, 2018	
FF0096USX 2	AUTONOMOUS VEHICLE CHARGING STATION CONNECTION	US	US	Utility	Allowed	15/060,218	Mar 3, 2016				Jan 3, 2019	
FF0097CN1	STEREO CAMERA-BASED DETECTION OF OBJECTS PROXIMATE TO A VEHICLE	CN	Foreign	Utility	Pending	201611246522.5	Dec 29, 2016					
FF0097US1	STEREO CAMERA-BASED DETECTION OF OBJECTS PROXIMATE TO A VEHICLE	US	US	Utility	Allowed	15/390,409	Dec 23, 2016				Feb 20, 2019	
FF0098CN1	CAMERA-BASED DETECTION OF OBJECTS PROXIMATE TO A VEHICLE	CN	Foreign	Utility	Pending	201611247289.2	Dec 29, 2016					
FF0098US1	CAMERA-BASED DETECTION OF OBJECTS PROXIMATE TO A VEHICLE	US	US	Utility	Pending	15/390,418	Dec 23, 2016					
FF0099CNZ 1	WHEEL	CN	Foreign	Design	Issued	201630283432.8	Jun 28, 2016		ZL201630283432.8	Jan 11, 2017	Nov 11, 2016	
FF0099CNZ 2	TOY WHEEL	CN	Foreign	Design	Issued	201630283394.6	Jun 28, 2016		ZL201630283394.6	Nov 23, 2016	Sep 5, 2016	
FF0099EUS 1	VEHICLE WHEEL RIMS	EM	Foreign	Design	Issued	003254374	Jun 29, 2016		003254374-0001	Sep 16, 2016		
FF0099JPZ1	WHEEL	JP	Foreign	Design	Issued	2016-013766	Jun 29, 2016		1569854	Jan 20, 2017	Dec 13, 2016	

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FF0099USZ1	WHEEL	US	US	Design	Issued	29/550,058	Dec 30, 2015		D781,196	Mar 14, 2017	Nov 18, 2016	
FF0100CNZ1	VEHICLE	CN	Foreign	Design	Issued	201630284726.2	Jun 28, 2016		ZL201730046909.5	Jul 28, 2017	Apr 17, 2017	
FF0100CNZ2	TOY VEHICLE	CN	Foreign	Design	Issued	201630284719.2	Jun 28, 2016		ZL201630284719.2	Nov 30, 2016	Sep 5, 2016	
FF0100EUZ1	MOTOR CAR BODIES	EM	Foreign	Design	Issued	003254879	Jun 29, 2016		003254879-0001	Jul 13, 2016		
FF0100JPZ1	VEHICLE	JP	Foreign	Design	Issued	2016-013764	Jun 29, 2016		1575743	Apr 7, 2017	Feb 28, 2017	
FF0100USZ1	VEHICLE	US	US	Design	Issued	29/550,119	Dec 30, 2015		D801,857	Nov 7, 2017	Jun 30, 2017	
FF0101CNZ1	CAR INTERIOR ASSEMBLY	CN	Foreign	Design	Issued	201630283433.2	Jun 28, 2016		ZL201630283433.2	Jul 28, 2017	Apr 17, 2017	
FF0101CNZ2	TO CAR INTERIOR ASSEMBLY	CN	Foreign	Design	Issued	201630283395.0	Jun 28, 2016		ZL201630283395.0	Nov 23, 2016	Sep 5, 2016	
FF0101EUZ1	CAR INTERIOR	EM	Foreign	Design	Issued	003254382	Jun 29, 2016		003254382-0001	Jul 13, 2016		
FF0101JPZ1	CAR INTERIOR	JP	Foreign	Design	Issued	2016-013765	Jun 29, 2016		1576292	Apr 14, 2017	Mar 7, 2017	
FF0101USZ1	CAR INTERIOR	US	US	Design	Issued	29/550,093	Dec 30, 2015		D800,037	Oct 17, 2017	Jun 2, 2017	
FF0102US1	FLEXIBLE CIRCUIT FOR VEHICLE BATTERY	US	US	Utility	Pending	15/060,381	Mar 3, 2016					
FF0103US1	VEHICLE BATTERY HEATING SYSTEM	US	US	Utility	Issued	15/060,308	Mar 3, 2016		10,112,502	Oct 30, 2018	Jun 25, 2018	
FF0104US1	BUS BAR AND PCB FOR VEHICLE BATTERY	US	US	Utility	Pending	15/060,416	Mar 3, 2016					
FF0107CNZ1	STEERING WHEEL	CN	Foreign	Design	Issued	201630287287.0	Jun 29, 2016		ZL201630287287.0	Nov 23, 2016	Sep 5, 2016	
FF0107CNZ2	TOY STEERING WHEEL	CN	Foreign	Design	Issued	201630287267.3	Jun 29, 2016		ZL201630287267.3	Dec 7, 2016	Sep 22, 2016	

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FF0107EUSZ1	STEERING WHEEL	EM	Foreign	Design	Issued	003254853	Jun 29, 2016		003254853-0001	Jul 13, 2016		
FF0107JPZ1	STEERING WHEEL	JP	Foreign	Design	Issued	2016-013771	Jun 29, 2016		1567618	Dec 16, 2016	Nov 8, 2016	
FF0107USZ1	STEERING WHEEL	US	US	Design	Issued	29/550,062	Dec 30, 2015		D787,994	May 30, 2017	Jan 23, 2017	
FF0108CNZ1	DASHBOARD	CN	Foreign	Design	Issued	201630283424.3	Jun 28, 2016		ZL201630283424.3	Jan 11, 2017	Nov 10, 2016	
FF0108CNZ2	TOY DASHBOARD	CN	Foreign	Design	Issued	201630283393.1	Jun 28, 2016		ZL201630283393.1	Nov 30, 2016	Sep 5, 2016	
FF0108EUSZ1	DASHBOARD	EM	Foreign	Design	Issued	003254846	Jun 29, 2016		003254846-0001-3	Aug 29, 2016		
FF0108JPZ1	DASHBOARD	JP	Foreign	Design	Issued	2016-013767	Jun 29, 2016		1576293	Apr 14, 2017	Mar 7, 2017	
FF0108USZ1	DASHBOARD	US	US	Design	Issued	29/550,120	Dec 30, 2015		D823,206	Jul 17, 2018	Dec 22, 2017	
FF0109CNZ1	SEAT	CN	Foreign	Design	Issued	201630283422.4	Jun 28, 2016		ZL201630283422.4	Apr 26, 2017	Jan 19, 2017	
FF0109CNZ2	TOY SEAT	CN	Foreign	Design	Issued	201630283379.1	Jun 28, 2016		ZL201630283379.1	Mar 15, 2017	Dec 9, 2016	
FF0109EUSZ1	SEAT	EM	Foreign	Design	Issued	003254341	Jun 29, 2016		003254341-0001	Jul 13, 2016		
FF0109JPZ1	SEAT	JP	Foreign	Design	Issued	2016-013768	Jun 29, 2016		1582524	Jul 7, 2017	May 30, 2017	
FF0110CNZ1	FRONT LIGHT OF CAR	CN	Foreign	Design	Issued	201630283410.1	Jun 28, 2016		ZL201630283410.1	Oct 24, 2017	Jun 29, 2017	
FF0110CNZ2	FRONT LIGHT OF TOY CAR	CN	Foreign	Design	Issued	201630283403.1	Jun 28, 2016		ZL201630283403.1	Nov 30, 2016	Sep 5, 2016	
FF0110EUSZ1	FRONT LIGHT	EM	Foreign	Design	Issued	003254408	Jun 29, 2016		003254408-0001-2	Sep 27, 2016		
FF0110JPZ1	FRONT LIGHT	JP	Foreign	Design	Issued	2016-013769	Jun 29, 2016		1580877	Jun 16, 2017	May 9, 2017	

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FF0110USZ1	FRONT LIGHT	US	US	Design	Issued	29/550,067	Dec 30, 2015		D782,087	Mar 21, 2017	Jan 26, 2017	
FF0111CN1	SMART NEGOTIATION AT ALL-WAY STOP	CN	Foreign	Utility	Pending	201710041742.2	Jan 19, 2017					
FF0112US1	EMERGENCY RELEASE SYSTEM FOR AUTOMOBILE SIDE DOOR	US	US	Utility	Pending	15/596,398	May 16, 2017					
FF0114CN1	REMOTE CONTROL SYSTEM FOR A VEHICLE	CN	Foreign	Utility	Pending	2017100635582.1	Feb 3, 2017					
FF0114US1	REMOTE CONTROL SYSTEM FOR A VEHICLE	US	US	Utility	Issued	15/417,998	Jan 27, 2017		10,112,581	Oct 30, 2018	Jun 25, 2018	
FF0117CNZ 1	HELMET	CN	Foreign	Design	Issued	201630287286.6	Jun 29, 2016		ZL201630287286.6	Jan 4, 2017	Oct 21, 2016	
FF0117CNZ 2	HELMET	CN	Foreign	Design	Issued	201630287268.8	Jun 29, 2016		ZL201630287268.8	Mar 15, 2017	Nov 29, 2016	
FF0117EUZ 1	PROTECTIVE HELMETS	EM	Foreign	Design	Issued	003254390	Jun 29, 2016		003254390-0001-2	Jul 13, 2016		
FF0118CN1	DISPLAY SYSTEMS AND METHODS FOR A VEHICLE	CN	Foreign	Utility	Pending	201710004462.4	Jan 4, 2017					
FF0118CN2	PROJECTOR SYSTEM FOR A BUMPER OF A VEHICLE	CN	Foreign	Utility	Pending	201710243887.0	Apr 14, 2017					
FF0118US1	DISPLAY SYSTEMS AND METHODS FOR A VEHICLE	US	US	Utility	Pending	15/397,912	Jan 4, 2017					
FF0118US2	PROJECTOR SYSTEM FOR A BUMPER OF A VEHICLE	US	US	Utility	Pending	15/488,412	Apr 7, 2017					
FF0119CNZ 1	ANIMATED GRAPHICAL USER INTERFACE FOR VEHICLE	CN	Foreign	Design	Issued	201630283409.9	Jun 28, 2016		ZL201630283409.9	Jan 11, 2017	Nov 10, 2016	
FF0119CNZ 2	USER INTERFACE FOR VEHICLE	CN	Foreign	Design	Issued	201630283404.6	Jun 28, 2016		ZL201630283404.6	Jan 4, 2017	Nov 10, 2016	
FF0119EUZ 1	VEHICLE USER INTERFACE	EM	Foreign	Design	Issued	003254416	Jun 29, 2016		003254416-0001	Jul 13, 2016		

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FF0119JPZ1	VEHICLE USER INTERFACE	JP	Foreign	Design	Issued	2016-013770	Jun 29, 2016		1586557	Sep 1, 2017	Jul 25, 2017	
FF0119USZ1	VEHICLE USER INTERFACE	US	US	Design	Issued	29/550,075	Dec 30, 2015		D812,077	Mar 6, 2018	Oct 25, 2017	
FF0120CN1	SYSTEM AND METHOD FOR DRIVER PATTERN RECOGNITION, IDENTIFICATION, AND PREDICTION	CN	Foreign	Utility	Pending	201710063672.0	Feb 3, 2017					
FF0120US1	SYSTEM AND METHOD FOR DRIVER PATTERN RECOGNITION, IDENTIFICATION, AND PREDICTION	US	US	Utility	Allowed	15/418,641	Jan 27, 2017				Apr 2, 2019	
FF0121CN1	SYSTEM AND METHOD FOR DETERMINING A VISIBILITY STATE	CN	Foreign	Utility	Pending	201710057490.2	Jan 26, 2017					
FF0121US1	SYSTEM AND METHOD FOR DETERMINING A VISIBILITY STATE	US	US	Utility	Pending	15/418,332	Jan 27, 2017					
FF0122CN1	SYSTEM AND METHOD FOR HARDWARE- INDEPENDENT MEMORY STORAGE	CN	Foreign	Utility	Pending		Jan 25, 2017	Jul 27, 2018				
FF0122US1	SYSTEM AND METHOD FOR HARDWARE- INDEPENDENT MEMORY STORAGE	US	US	Utility	Pending	16/073,335	Jan 25, 2017	Jul 26, 2018				
FF0123CN1	SYSTEM AND CAMERA-BASED DETECTION OF OBJECT HEIGHTS PROXIMATE TO A VEHICLE	CN	Foreign	Utility	Pending	201780008674.8	Jan 25, 2017	Jul 27, 2018				
FF0123US1	SYSTEM AND CAMERA-BASED DETECTION OF OBJECT HEIGHTS	US	US	Utility	Pending	16/073,760	Jan 25, 2017	Jul 27, 2018				

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	PROXIMATE TO A VEHICLE											
FF0124CN1	SYSTEM AND METHOD FOR TRACKING MOVING OBJECTS TO AVOID INTERFERENCE WITH VEHICULAR DOOR OPERATIONS	CN	Foreign	Utility	Pending	201780008841.9	Jan 24, 2017	Jul 27, 2018				
FF0124US1	SYSTEM AND METHOD FOR TRACKING MOVING OBJECTS TO AVOID INTERFERENCE WITH VEHICULAR DOOR OPERATIONS	US	US	Utility	Pending	16/073,761	Jan 24, 2017	Jul 27, 2018				
FF0125CN1	MODULAR SIDE VIEW MIRROR	CN	Foreign	Utility	Pending	201780006811.4	Jan 13, 2017	Jul 13, 2018				
FF0125US1	MODULAR SIDE VIEW MIRROR	US	US	Utility	Allowed	15/482,635	Apr 7, 2017				Feb 25, 2019	
FF0126CN1	SYSTEM AND METHOD FOR ASSISTING NAVIGATION OF VEHICLE THROUGH TRAFFIC	CN	Foreign	Utility	Pending	201710063673.5	Feb 3, 2017					
FF0126US1	SYSTEM AND METHOD FOR ASSISTING NAVIGATION OF VEHICLE THROUGH TRAFFIC	US	US	Utility	Issued	15/418,584	Jan 27, 2017		10,144,408	Dec 4, 2018	Jul 30, 2018	
FF0127US1	BATTERY ASSEMBLY PROCESSES	US	US	Utility	Pending	15/630,812	Jun 22, 2017					
FF0128US1	BENDING TOOL	US	US	Utility	Pending	15/085,325	Mar 30, 2016					
FF0129CN1	VOICE ASSISTANCE SYSTEM FOR DEVICES OF AN ECOSYSTEM	CN	Foreign	Utility	Pending	201780013971.1	Feb 28, 2017	Aug 29, 2018				
FF0129US1	VOICE ASSISTANCE SYSTEM FOR DEVICES OF AN ECOSYSTEM	US	US	Utility	Pending	16/080,662	Feb 28, 2017	Aug 28, 2018				
FF0131CN1	VEHICLE OPERATOR TRAINING SYSTEM	CN	Foreign	Utility	Pending	201710112716.4	Feb 28, 2017					

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FF0131US1	VEHICLE OPERATOR TRAINING SYSTEM	US	US	Utility	Pending	15/445,761	Feb 28, 2017					
FF0132CN1	ELECTRIC VEHICLE BATTERY MONITORING SYSTEM	CN	Foreign	Utility	Pending	201780014098.8	Mar 1, 2017	Aug 29, 2018				
FF0132US1	ELECTRIC VEHICLE BATTERY MONITORING SYSTEM	US	US	Utility	Pending	15/057,739	Mar 1, 2016					
FF0133CN1	METHOD TO HANDLE PROPERLY AROUND EMERGENCY VEHICLES FOR SELF-DRIVING CAR	CN	Foreign	Utility	Pending	201710114732.7	Feb 28, 2017					
FF0133US1	EMERGENCY SIGNAL DETECTION AND RESPONSE	US	US	Utility	Issued	15/445,979	Feb 28, 2017		10,074,274	Sep 11, 2018	May 10, 2018	
FF0134CN1	DOOR HINGE AND DOOR HINGE SYSTEM FOR VEHICLE	CN	Foreign	Utility	Pending	201780013856.4	Feb 28, 2017	Aug 28, 2018				
FF0134US1	DOOR HINGE AND DOOR HINGE SYSTEM FOR VEHICLE	US	US	Utility	Issued	15/056,873	Feb 29, 2016		9,963,020	May 8, 2018	Jan 4, 2018	
FF0135US1	TABLET CONNECTION SYSTEM	US	US	Utility	Issued	15/085,457	Mar 30, 2016		10,075,010	Sep 11, 2018	May 11, 2018	
FF0139US1	OPERATING POINT DETERMINATION IN AN ELECTRIC MOTOR SYSTEM	US	US	Utility	Pending	15/144,252	May 2, 2016					
FF0139USX1	OPERATING POINT DETERMINATION IN AN ELECTRIC MOTOR SYSTEM	US	US	Utility	Pending	15/189,963	Jun 22, 2016					
FF0140US1	ACTIVE/INACTIVE FUNCTIONALITY IN RESPONSE TO ENVIRONMENTAL CONDITIONS	US	US	Utility	Pending	15/638,228	Jun 29, 2017					
FF0141US1	SYSTEM AND METHOD FOR CLOSING A DOOR OF A VEHICLE	US	US	Utility	Pending	16/090,131	Mar 29, 2017	Sep 28, 2018				
FF0142CN1	SYSTEMS AND METHODS FOR OPERATING VEHICLE DOORS	CN	Foreign	Utility	Issued	201710111525.6	Feb 28, 2017		ZL201710111525.6	Jun 22, 2018	Mar 8, 2018	

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FF0142CND1	SYSTEMS AND METHODS FOR OPERATING VEHICLE DOORS	CN	Foreign	Utility	Pending	201810407469.5	Feb 28, 2017	May 2, 2018				
FF0142US1	SYSTEMS AND METHODS FOR OPERATING VEHICLE DOORS	US	US	Utility	Issued	15/057,066	Feb 29, 2016		9,869,119	Jan 16, 2018	Sep 12, 2017	
FF0144US1	IPM MACHINE WITH SPECIALIZED ROTOR FOR AUTOMOTIVE ELECTRIC VEHICLES	US	US	Utility	Issued	15/141,636	Apr 28, 2016		10,211,690	Feb 19, 2019	Oct 4, 2018	
FF0145US1	ELECTRIC VEHICLE CHARGE PORT	US	US	Utility	Issued	15/064,465	Mar 8, 2016		9,595,790	Mar 14, 2017	Nov 28, 2016	
FF0145USX1	SHAFT TO SHAFT SCREW-LESS COUPLING	US	US	Utility	Pending	15/134,154	Apr 20, 2016					
FF0146US1	CHARGE PORT MOUNTED MOVABLY IN VEHICLE	US	US	Utility	Pending	15/064,462	Mar 8, 2016					
FF0147CN1	VEHICLE POWER MANAGEMENT	CN	Foreign	Utility	Pending	201710258550.7	Apr 19, 2017					
FF0147US1	VEHICLE POWER MANAGEMENT	US	US	Utility	Pending	15/132,733	Apr 19, 2016					
FF0148US1	LIQUID TEMPERATURE SENSOR	US	US	Utility	Issued	15/131,413	Apr 18, 2016		10,247,087	Apr 2, 2019	Nov 20, 2018	
FF0149CN1	ACTIVE AIR SCOOP	CN	Foreign	Utility	Pending	201780014336.5	Mar 1, 2017	Aug 30, 2018				
FF0149US1	ACTIVE AIR SCOOP	US	US	Utility	Pending	16/081,409	Mar 1, 2017					
FF0150CN1	VEHICLE SENSING GRID HAVING DYNAMIC SENSING CELL SIZE	CN	Foreign	Utility	Pending	201780013979.8	Feb 28, 2017	Aug 29, 2018				
FF0150US1	VEHICLE SENSING GRID HAVING DYNAMIC SENSING CELL SIZE	US	US	Utility	Issued	15/089,446	Apr 1, 2016		9,796,390	Oct 24, 2017	Jun 19, 2017	
FF0152CN1	CHARGE CONNECTOR WITH LIQUID COOLING	CN	Foreign	Utility	Pending	201780011694.0	Feb 27, 2017	Aug 16, 2018				
FF0152US1	CHARGE CONNECTOR WITH LIQUID COOLING	US	US	Utility	Pending	15/999,462	Feb 17, 2017	Aug 17, 2018				

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FF0154CN1	FLEXIBLE CIRCUIT FOR VEHICLE BATTERY	CN	Foreign	Utility	Pending	201710172999.1	Mar 22, 2017					
FF0154US1	FLEXIBLE CIRCUIT FOR VEHICLE BATTERY	US	US	Utility	Pending	15/077,739	Mar 22, 2016					
FF0155US1	LIQUID TEMPERATURE REGULATED BATTERY PACK FOR ELECTRIC VEHICLES	US	US	Utility	Pending	15/261,427	Sep 9, 2016					
FF0155US2	LIQUID TEMPERATURE REGULATED BATTERY PACK FOR ELECTRIC VEHICLES	US	US	Utility	Pending	15/261,434	Sep 9, 2016					
FF0155US3	ELECTRIC VEHICLE BATTERY MANAGEMENT	US	US	Utility	Pending	16/090,567	Mar 31, 2017	Oct 1, 2018				
FF0156US1	VOLTAGE GENERATION WITH HIGH MODULATION INDICES IN INVERTER DRIVES	US	US	Utility	Issued	15/187,380	Jun 20, 2016		9,919,615	Mar 20, 2018	Nov 7, 2017	
FF0160CN1	THERMAL MALFUNCTION DETECTOR FOR ELECTRIC VEHICLE	CN	Foreign	Utility	Pending	201710351941.3	May 18, 2017					
FF0160US1	THERMAL MALFUNCTION DETECTOR FOR ELECTRIC VEHICLE	US	US	Utility	Pending	15/160,861	May 20, 2016					
FF0161US1	DISPLAY SYSTEM FOR A VEHICLE	US	US	Utility	Pending	16/090,564	Apr 1, 2017	Oct 1, 2018				
FF0162CNZ1	RIM	CN	Foreign	Design	Issued	201630485293.7	Sep 28, 2016		ZL201630485293.7	Apr 12, 2017	Dec 29, 2016	
FF0162USZ1	PORTION OF A WHEEL	US	US	Design	Issued	29/559,784	Mar 31, 2016		D782,384	Mar 28, 2017	Nov 29, 2016	
FF0163CNZ1	STEERING WHEEL	CN	Foreign	Design	Issued	201630485331.9	Sep 28, 2016		ZL201630485331.9	Mar 22, 2017	Dec 5, 2016	
FF0163USZ1	STEERING WHEEL	US	US	Design	Issued	29/559,830	Mar 31, 2016		D797,620	Sep 19, 2017	May 15, 2017	

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FF0164CNZ1	SEAT	CN	Foreign	Design	Issued	201630485295.6	Sep 28, 2016		ZL201630485295.6	May 24, 2017	Feb 10, 2017	
FF0165CNZ1	SEATS	CN	Foreign	Design	Issued	201630485287.1	Sep 28, 2016		ZL201630485287.1	May 3, 2017	Jan 16, 2017	
FF0165EUIZ1	REAR CONTOURED SEATS	EM	Foreign	Design	Issued	003381490	Sep 16, 2016		003381490-0001	Jun 28, 2018		
FF0165USZ1	REAR CONTOURED SEATS	US	US	Design	Issued	29/559,824	Mar 31, 2016		D787,999	May 30, 2017	Jan 20, 2017	
FF0166CNZ1	VEHICLE INTERIOR	CN	Foreign	Design	Issued	201630485284.8	Sep 28, 2016		ZL201630485284.8	Mar 22, 2017	Dec 7, 2016	
FF0166EUIZ1	VEHICLE INTERIOR	EM	Foreign	Design	Issued	003381813	Sep 16, 2016		003381813-0001	Jun 28, 2018		
FF0166USZ1	VEHICLE INTERIOR	US	US	Design	Issued	29/559,827	Mar 31, 2016		D788,000	May 30, 2017	Jan 25, 2017	
FF0167CNZ1	VEHICLE	CN	Foreign	Design	Issued	201630485294.1	Sep 28, 2016		ZL201630485294.1	Apr 5, 2017	Dec 20, 2016	
FF0167EUIZ1	VEHICLE EXTERIOR	EM	Foreign	Design	Issued	003381821	Sep 16, 2016		003381821-0001	Jun 28, 2018		
FF0167USZ1	VEHICLE EXTERIOR	US	US	Design	Issued	29/559,783	Mar 31, 2016		D797,606	Sep 19, 2017	May 19, 2017	
FF0169CN1	SEAMLESS VEHICLE ACCESS SYSTEM	CN	Foreign	Utility	Pending	201680060108.7	Oct 12, 2016	Apr 13, 2018				
FF0169US1	SEAMLESS VEHICLE ACCESS SYSTEM	US	US	Utility	Issued	15/768,530	Oct 12, 2016	Apr 13, 2018	10,179,568	Jan 15, 2019	Sep 13, 2018	
FF0171CN1	STATE-BASED OPERATION FOR AUTONOMOUS VEHICLES	CN	Foreign	Utility	Pending	201710208027.3	Mar 31, 2017					
FF0171US1	STATE-BASED OPERATION FOR AUTONOMOUS VEHICLES	US	US	Utility	Issued	15/475,048	Mar 30, 2017		10,077,052	Sep 18, 2018		
FF0172US1	CAMERA BASED AUTO DRIVE FOR AUTO CHARGE	US	US	Utility	Pending	16/090,227	Mar 30, 2017	Sep 29, 2018				

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FF0179CN1	AUTOMATICALLY RETRACTING AND EXTENDING A VEHICLE STEERING WHEEL	CN	Foreign	Utility	Pending	201710237588.6	Apr 12, 2017					
FF0179US1	AUTOMATICALLY RETRACTING AND EXTENDING A VEHICLE STEERING WHEEL	US	US	Utility	Pending	15/487,315	Apr 7, 2017					
FF0189CN1	CONTINUOUS RADially INSERTED STATOR WINDING	CN	Foreign	Utility	Pending	201710277880.0	Apr 25, 2017					
FF0189US1	CONTINUOUS RADially INSERTED STATOR WINDING	US	US	Utility	Pending	15/139,676	Apr 27, 2016					
FF0193CN1	BATTERY CIRCUIT CONTACTORS	CN	Foreign	Utility	Pending	201710201245.4	Mar 30, 2017					
FF0193US1	BATTERY CIRCUIT CONTACTORS	US	US	Utility	Allowed	15/085,819	Mar 30, 2016				Apr 11, 2019	
FF0195US1	PAIRING OF INPUT DEVICE AND DISPLAY IN VEHICLE INFOTAINMENT SYSTEMS	US	US	Utility	Allowed	15/600,733	May 20, 2017				Feb 15, 2019	
FF0196US1	WHEEL ALIGNMENT SYSTEMS AND METHODS	US	US	Utility	Issued	15/188,678	Jun 21, 2016		10,012,499	Jul 3, 2018	Feb 26, 2018	
FF0197US1	DETECTING POSITION MEASUREMENT ERRORS IN AN ELECTRIC MOTOR SYSTEM	US	US	Utility	Issued	15/630,829	Jun 22, 2017		10,084,399	Sep 25, 2018	May 24, 2018	
FF0200US1	IPM MACHINE WITH SPECIALIZED WINDING FOR AUTOMOTIVE ELECTRIC VEHICLES	US	US	Utility	Allowed	15/281,937	Sep 30, 2016				Mar 1, 2019	
FF0201US21	CHARGING CONNECTOR	US	US	Design	Issued	29/561,729	Apr 19, 2016		D791,075	Jul 4, 2017	Mar 21, 2017	
FF0202CN21	ELECTRIC VEHICLE CHARGING STATION	CN	Foreign	Design	Issued	201630507423.2	Oct 18, 2016		ZL201630507423.2	Mar 15, 2017	Jan 6, 2017	

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FF02020USZ1	ELECTRIC VEHICLE CHARGING STATION	US	US	Design	Issued	29/561,702	Apr 19, 2016		D791,073	Jul 4, 2017	Mar 15, 2017	
FF02030CNZ1	ELECTRIC VEHICLE CHARGING STATION	CN	Foreign	Design	Issued	201630507421.3	Oct 18, 2016		ZL201630507421.3	Mar 15, 2017	Jan 6, 2017	
FF02030USZ1	ELECTRIC VEHICLE CHARGING STATION	US	US	Design	Issued	29/561,720	Apr 19, 2016		D791,074	Jul 4, 2017	Mar 16, 2017	
FF02040CN1	CHARGING CONNECTION FOR AN ELECTRIC VEHICLE	CN	Foreign	Utility	Pending	201710256935.X	Apr 19, 2017					
FF02040US1	CHARGING CONNECTION FOR AN ELECTRIC VEHICLE	US	US	Utility	Pending	15/490,820	Apr 18, 2017					
FF02070US1	INTEGRATED GARAGE DOOR OPENER FOR CONNECTED VEHICLE	US	US	Utility	Issued	15/582,491	Apr 28, 2017		10,062,229	Aug 28, 2018	Apr 30, 2018	
FF02080US1	CONTROLLING DIMMING OF MIRRORS OR DISPLAYS USING DUAL-FUNCTION LIGHTING	US	US	Utility	Issued	15/143,322	Apr 29, 2016		10,000,157	Jun 19, 2018	Feb 22, 2018	
FF02090CN1	MANUFACTURING SYSTEM IMPLEMENTING LASER-CURING OF EPOXIED JOINTS	CN	Foreign	Utility	Pending	201710257957.8	Apr 19, 2017					
FF02090US1	MANUFACTURING SYSTEM IMPLEMENTING LASER-CURING OF EPOXIED JOINTS	US	US	Utility	Pending	15/498,368	Apr 26, 2017					
FF02100US1	REMOTE CAMERA ACCESS	US	US	Utility	Allowed	15/582,652	Apr 29, 2017				Feb 28, 2019	
FF02120US1	CHARGING SYSTEM WITH TEMPERATURE SENSOR	US	US	Utility	Pending	15/160,904	May 20, 2016					
FF02170US1	BATTERY MODULE COMMUNICATION LINK CONNECTION WITH IMPROVED SEALING	US	US	Utility	Pending	15/226,277	Aug 2, 2016					
FF02200US1	BATTERY MONITOR PROTECTION	US	US	Utility	Pending	16/099,645	May 17, 2017	Nov 7, 2018				

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FF0222US1	SUBFRAME AND SUSPENSION ASSEMBLY	US	US	Utility	Pending	15/674,471	Aug 10, 2017					
FF0223CN1	AUTOMATIC ADAPTIVE HEADLIGHT CONTROL	CN	Foreign	Utility	Pending	201710408793.4	Jun 2, 2017					
FF0223US1	AUTOMATIC ADAPTIVE HEADLIGHT CONTROL	US	US	Utility	Pending	15/613,051	Jun 2, 2017					
FF0224US1	CHASSIS MONITORING SYSTEM HAVING OVERLOAD DETECTION	US	US	Utility	Issued	15/157,238	May 17, 2016		10,112,485	Oct 30, 2018	Jun 25, 2018	
FF0225US1	WINDSHIELD WIPER SYSTEM WITH ACTIVELY MOVABLE PLATFORM	US	US	Utility	Pending	15/638,271	Jun 29, 2017					
FF0229US1	ADAPTIVE CHARGING STATION FOR AN ELECTRIC VEHICLE	US	US	Utility	Pending	15/623,330	Jun 14, 2017					
FF0231US1	MULTI-PROCESSOR SOC SYSTEM	US	US	Utility	Pending	15/636,081	Jun 28, 2017					
FF0235CN1	USING CAMERAS FOR DETECTING OBJECTS NEAR A VEHICLE	CN	Foreign	Utility	Pending	201710364306.9	May 22, 2017					
FF0235US1	USING CAMERAS FOR DETECTING OBJECTS NEAR A VEHICLE	US	US	Utility	Pending	15/610,412	May 31, 2017					
FF0236US1	ADAPTIVE DOWNLINK OF MAP INFORMATION	US	US	Utility	Pending	15/613,053	Jun 2, 2017					
FF0237CN1	METHOD AND APPARATUS TO DETECT AND ISOLATE AUDIO IN A VEHICLE USING MULTIPLE MICROPHONES	CN	Foreign	Utility	Pending	201710407663.9	Jun 2, 2017					
FF0237US1	METHOD AND APPARATUS TO DETECT AND ISOLATE AUDIO IN A VEHICLE USING MULTIPLE MICROPHONES	US	US	Utility	Pending	15/613,076	Jun 2, 2017					
FF0238US1	MULTI-PROCESSOR WORKLOAD DISTRIBUTION BASED ON SENSOR DATA	US	US	Utility	Pending	15/613,084	Jun 2, 2017					

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FF0239CN1	AUTOMATIC DETECTION OF VEHICULAR MALFUNCTIONS USING AUDIO SIGNALS	CN	Foreign	Utility	Pending	201710404078.3	Jun 1, 2017					
FF0239US1	AUTOMATIC DETECTION OF VEHICULAR MALFUNCTIONS USING AUDIO SIGNALS	US	US	Utility	Pending	15/613,089	Jun 2, 2017					
FF0240CN1	USING POSITION ESTIMATE ERROR BOUNDS FOR SAFE VEHICLE NAVIGATION	CN	Foreign	Utility	Pending	201710391899.8	May 27, 2017					
FF0240US1	USING POSITION ESTIMATE ERROR BOUNDS FOR SAFE VEHICLE NAVIGATION	US	US	Utility	Allowed	15/610,415	May 31, 2017				Mar 19, 2019	
FF0243CN1	INFOTAINMENT PLAYBACK CONTROL	CN	Foreign	Utility	Pending	201710411126.1	Jun 2, 2017					
FF0243US1	INFOTAINMENT PLAYBACK CONTROL	US	US	Utility	Pending	15/613,095	Jun 2, 2017					
FF0245US1	LOW STRESS VEHICLE FRAME MANUFACTURING PROCESS	US	US	Utility	Issued	15/190,120	Jun 22, 2016		1,014,466	Dec 4, 2018	Jul 31, 2018	
FF0253US1	ADAPTIVE CRUISE CONTROL SYSTEM HAVING CENTER-CONSOLE ACCESS	US	US	Utility	Allowed	15/636,168	Jun 28, 2017				Mar 27, 2019	
FF0254US1	CLASSIFYING OF WEATHER SITUATIONS USING CAMERAS ON AUTOMOBILES	US	US	Utility	Pending	15/639,122	Jun 30, 2017					
FF0255USZ1	VEHICLE EXTERIOR	US	US	Design	Issued	29/572,063	Jul 25, 2016		D808,302	Jan 23, 2018	Sep 15, 2017	
FF0256CNZ1	WHEEL	CN	Foreign	Utility	Issued	201730030614.9	Jan 25, 2017		ZL201730030614.9	Sep 1, 2017	May 24, 2017	
FF0256USZ1	WHEEL	US	US	Design	Issued	29/572,042	Jul 25, 2016		D824,309	Jul 31, 2018	Mar 30, 2018	
FF0257US1	SYSTEM AND METHOD FOR GENERATING AN ENVIRONMENTAL CONDITION	US	US	Utility	Pending	15/662,632	Jul 28, 2017					

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	DATABASE USING AUTOMOTIVE SENSORS											
FF0259US1	GENERATING AND FUSING TRAFFIC SCENARIOS FOR AUTOMATED DRIVING SYSTEMS	US	US	Utility	Pending	16/306,533	May 30, 2017	Nov 30, 2018				
FF0260US1	GEO-FUSION BETWEEN IMAGING DEVICE AND MOBILE DEVICE	US	US	Utility	Pending	15/639,176	Jun 30, 2017					
FF0266US1	REMOTELY GRANTING VEHICLE PERMISSIONS	US	US	Utility	Pending	15/691,537	Aug 30, 2017					
FF0267US1	INTELLIGENT SYSTEM AND METHOD FOR ROUTE PLANNING	US	US	Utility	Pending	15/636,192	Jun 28, 2017					
FF0269US1	BREAKING CONTROL METHOD AND SYSTEM FOR A VEHICLE	US	US	Utility	Issued	15/210,044	Jul 14, 2016		10,076,962	Sep 18, 2018	May 17, 2018	
FF0270US1	NESTED THREE PHASE BUS BAR UNIT	US	US	Utility	Pending	15/281,881	Sep 30, 2016					
FF0272US1	PRESSURE MAINTENANCE RESERVOIR	US	US	Utility	Pending	15/198,266	Jun 30, 2016					
FF0273US1	FLASH EMULATED EEPROM WRAPPER	US	US	Utility	Pending	15/199,844	Jun 30, 2016					
FF0274US1	ELECTRICAL AND MECHANICAL CONNECTOR	US	US	Utility	Issued	15/262,656	Sep 12, 2016		9,948,044	Apr 17, 2018	Dec 7, 2017	
FF0275US1	ELECTRIC VEHICLE BATTERY MONITORING SYSTEM	US	US	Utility	Issued	15/275,116	Sep 23, 2016		10,183,590	Jan 22, 2019	Sep 12, 2018	
FF0276US1	VEHICLE COOLING SYSTEM USING GRAVITY BASED FLUID FLOW	US	US	Utility	Issued	15/639,083	Jun 30, 2017		10,153,524	Dec 11, 2018	Aug 2, 2018	
FF0277US1	EFFICIENT AND SECURE METHOD AND APPARATUS FOR FIRMWARE UPDATE	US	US	Utility	Issued	15/639,436	Jun 30, 2017		1,017,478	Jan 1, 2019	Aug 30, 2018	
FF0279US1	SYSTEMS AND METHODS FOR PROVIDING	US	US	Utility	Pending	15/639,297	Jun 30, 2017					

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	STATE	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	ORIGIN
	CUSTOMIZED AND ADAPTIVE MASSAGING IN VEHICLE SEATS										
FF0280US1	VEHICLE BASED CHARGING STATION ROBOT ARM CONTROL	US	US	Pending	15/638,238	Jun 29, 2017					
FF0282US1	IN-VEHICLE BED ASSEMBLY	US	US	Pending	15/721,370	Sep 29, 2017					
FF0283US1	VALVED CONNECTOR	US	US	Pending	15/198,251	Jun 30, 2016					
FF0284US1	METHOD AND APPARATUS FOR ATTACHING BATTERY TEMPERATURE SENSOR	US	US	Pending	15/199,271	Jun 30, 2016					
FF0285US1	METHOD AND SYSTEM FOR STOCK-BASED VEHICLE NAVIGATION	US	US	Pending	15/656,325	Jul 21, 2017					
FF0286US1	METHOD AND SYSTEM FOR LANE-BASED VEHICLE NAVIGATION	US	US	Pending	15/639,338	Jun 30, 2017					
FF0289US1	METHOD AND SYSTEM FOR VEHICLE-BASED IMAGE-CAPTURING	US	US	Pending	15/639,370	Jun 30, 2017					
FF0291US1	VEHICLE WINDSCREENS FOR ENHANCED VISIBILITY	US	US	Pending	15/662,636	Jul 28, 2017					
FF0292US1	DYNAMIC TRAFFIC LANE ASSIGNMENT	US	US	Pending	15/659,870	Jul 26, 2017					
FF0293US1	SYSTEMS AND METHODS FOR SECURE USER PROFILES	US	US	Pending	15/703,968	Sep 13, 2017					
FF0296US1	SYSTEM AND METHOD FOR GENERATING A SEMANTICALLY MEANINGFUL TWO-DIMENSIONAL IMAGE	US	US	Pending	15/662,638	Jul 28, 2017					

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	STATE	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	ORIGIN
	FROM THREE-DIMENSIONAL DATA										
FF0297US1	VEHICLE CONFIGURED TO AUTONOMOUSLY PROVIDE ASSISTANCE TO ANOTHER VEHICLE	US	US	Utility	Pending	15/662,640	Jul 28, 2017				
FF0298US1	AIR CONTROL METHOD AND SYSTEM BASED ON VEHICLE SEAT STATUS	US	US	Utility	Pending	15/662,220	Jul 27, 2017				
FF0301US1	SYSTEM AND METHOD FOR AUTONOMOUS VEHICLE NAVIGATION	US	US	Utility	Allowed	15/662,643	Jul 28, 2017			Apr 10, 2019	
FF0302US1	METHOD AND APPARATUS FOR PROVIDING INTELLIGENT MOBILE HOTSPOT	US	US	Utility	Pending	15/662,646	Jul 28, 2017				
FF0303US1	METHOD AND APPARATUS FOR CAMERA FAULT DETECTION AND RECOVERY	US	US	Utility	Pending	15/662,648	Jul 28, 2017				
FF0304US1	METHOD AND APPARATUS FOR DETECTION AND RANGING FAULT DETECTION AND RECOVERY	US	US	Utility	Issued	15/662,650	Jul 28, 2017	10,203,408	Feb 12, 2019	Oct 3, 2018	
FF0307US1	IN-VEHICLE LOCKING SAFE WITH DETACHMENT AND BREACH RESISTANT SECURITY FEATURES	US	US	Utility	Pending	15/658,281	Jul 24, 2017				
FF0308US1	SYSTEMS AND METHODS FOR INTELLIGENTLY CONTROLLING AND DISENGAGING VEHICLE CREEP	US	US	Utility	Pending	15/662,651	Jul 28, 2017				
FF0309US1	SYSTEMS AND METHODS FOR INTELLIGENTLY	US	US	Utility	Allowed	15/632,232	Jun 23, 2017			Apr 9, 2019	

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
	CHARGING BATTERY CELLS											
FF0311CN1	CONTENT SHARING SYSTEM AND METHOD	CN	Foreign	Utility	Pending	201680063456.X	Oct 28, 2016	Apr 27, 2018				
FF0311US1	CONTENT SHARING SYSTEM AND METHOD	US	US	Utility	Pending	15/275,573	Sep 26, 2016					
FF0312US1	SEMI-AUTOMATED DRIVING USING PRE-RECORDED ROUTE	US	US	Utility	Pending	15/662,655	Jul 28, 2017					
FF0313US1	VEHICLE ROUTING TO AVOID REGIONS WITH GLARE	US	US	Utility	Pending	15/659,986	Jul 26, 2017					
FF0316US1	SAFETY AND CLEAN VEHICLE MONITORING SYSTEM	US	US	Utility	Issued	15/659,961	Jul 26, 2017		10,196,070	Feb 5, 2019	Sep 24, 2018	
FF0317US1	ELECTRIC SEATBELT NOTIFICATION SYSTEMS AND METHODS	US	US	Utility	Pending	15/242,735	Aug 22, 2016					
FF0319US1	NOTIFICATION SYSTEM AND METHOD FOR PROVIDING REMAINING RUNNING TIME OF A BATTERY	US	US	Utility	Pending	15/270,025	Sep 20, 2016					
FF0320US1	AUTOMATIC DISPLAY ADJUSTMENT SYSTEMS AND METHODS	US	US	Utility	Issued	15/242,678	Aug 22, 2016		10,101,775	Oct 16, 2018	Jun 14, 2018	
FF0321US1	VEHICLE HAVING MULTI-MODE DOOR	US	US	Utility	Allowed	15/644,561	Jul 7, 2017		10,272,748	Apr 30, 2019	Dec 14, 2018	
FF0322US1	PRE-ENTRY AUTO-ADJUSTMENT OF VEHICLE SETTINGS	US	US	Utility	Pending	15/224,086	Jul 29, 2016					
FF0323US1	DYNAMIC INTERIOR COLOR PALETTE	US	US	Utility	Pending	15/656,312	Jul 21, 2017					
FF0325US1	DYNAMIC MAP PRE-LOADING VEHICLES	US	US	Utility	Pending	15/662,657	Jul 28, 2017					
FF0328US1	SYSTEM AND METHOD FOR VEHICLE LOCALIZATION ASSISTANCE USING SENSOR DATA	US	US	Utility	Pending	15/679,019	Aug 16, 2017					

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FF0329US1	SYSTEM AND METHOD FOR DETERMINING NAVIGATIONAL HAZARDS	US	US	Utility	Pending	15/679,033	Aug 16, 2017					
FF0337US1	INFORMATIONAL VISUAL DISPLAY FOR VEHICLES	US	US	Utility	Issued	15/663,564	Jul 28, 2017		10,186,089	Jan 22, 2019	Sep 12, 2018	
FF0338CNZ1	ELECTRIC VEHICLE CHARGE HANDLE	CN	Foreign	Design	Issued	201730048197.0	Feb 23, 2017		ZL201730048197.0	Oct 27, 2017	Jul 10, 2017	
FF0338US1	SYSTEMS AND METHODS FOR PROVIDING AN INTELLIGENT CHARGE HANDLE FOR CHARGING A VEHICLE BATTERY	US	US	Utility	Pending	15/693,207	Aug 31, 2017					
FF0338USZ1	ELECTRIC VEHICLE CHARGE HANDLE	US	US	Design	Issued	29/575,267	Aug 23, 2016		D840,331	Feb 12, 2019	Sep 19, 2018	
FF0339US1	METHOD AND SYSTEM FOR AUTO-CHARGING	US	US	Utility	Pending	15/691,676	Aug 30, 2017					
FF0340US1	LIGHT DIRECTING FILTERS	US	US	Utility	Pending	15/662,658	Jul 28, 2017					
FF0341US1	ULTRASONIC CHARGE PORT DETECTOR	US	US	Utility	Issued	15/246,182	Aug 24, 2016		10,042,053	Aug 7, 2018	Apr 2, 2018	
FF0343US1	METHODS AND SYSTEMS FOR CAMERA-BASED AUTONOMOUS PARKING	US	US	Utility	Issued	15/620,665	Jun 12, 2017		10,025,317	Jul 17, 2018	Mar 15, 2018	
FF0344US1	COMPOSITE DISPLAY FROM ONE OR MORE CAMERAS	US	US	Utility	Pending	15/662,660	Jul 28, 2017					
FF0346US1	ETHERNET COMMUNICATION OF CAN SIGNALS	US	US	Utility	Pending	15/253,610	Aug 31, 2016					
FF0347US1	SYSTEM AND METHOD FOR CONTROLLING A DRIVING SYSTEM	US	US	Utility	Pending	15/691,606	Aug 30, 2017					
FF0347US2	SYSTEM AND METHOD FOR SCHEDULING VEHICLE	US	US	Utility	Pending	15/691,609	Aug 30, 2017					

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	MAINTENANCE SERVICES											
FF0352US1	USER DATA-BASED AUTONOMOUS VEHICLE SYSTEM	US	US	Utility	Pending	15/721,085	Sep 29, 2017					
FF0353US1	SETTING VEHICLE PERMISSIONS USING GEO-FENCING	US	US	Utility	Pending	15/785,338	Oct 16, 2017					
FF0360US1	SYSTEM AND METHOD FOR CALIBRATING VEHICLE DYNAMICS EXPECTATIONS FOR AUTONOMOUS VEHICLE NAVIGATION AND LOCALIZATION	US	US	Utility	Pending	15/691,614	Aug 30, 2017					
FF0361US1	SYSTEMS AND METHODS FOR TRIGGERING TRAFFIC LIGHT SENSORS	US	US	Utility	Pending	15/690,158	Aug 29, 2017					
FF0363US1	SYSTEM AND METHOD FOR PLANNING A VEHICLE PATH	US	US	Utility	Pending	15/691,617	Aug 30, 2017					
FF0364US1	SYSTEM AND METHOD FOR OPERATING VEHICLES AT DIFFERENT DEGREES OF AUTOMATION	US	US	Utility	Allowed	15/691,618	Aug 30, 2017				Apr 16, 2019	
FF0365US1	MAP REGISTRATION POINT COLLECTION WITH MOBILE DRONE	US	US	Utility	Pending	15/690,162	Aug 29, 2017					
FF0366US1	VIRTUALLY CONFIGURED PARKING AREA	US	US	Utility	Pending	15/690,163	Aug 29, 2017					
FF0367US1	SMART BEAMLIGHTS FOR DRIVING AND ENVIRONMENT ASSISTANCE	US	US	Utility	Pending	15/690,165	Aug 29, 2017					
FF0368US1	REGENERATIVE BRAKING CONTROL METHOD AND SYSTEM	US	US	Utility	Pending	15/283,205	Sep 30, 2016					
FF0369US1	BRAKING TORQUE BLENDING SYSTEM AND METHOD	US	US	Utility	Pending	15/283,176	Sep 30, 2016					

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FF0370US1	BRKING TORQUE BLENDING SYSTEM AND METHOD FOR AUTOMATIC EMERGENCY BRAKING	US	US	Utility	Pending	15/367,665	Dec 2, 2016					
FF0371US1	EXTERIOR VEHICLE ALERTING SYSTEM	US	US	Utility	Issued	15/269,398	Sep 19, 2016		9,884,585	Feb 6, 2018	Sep 28, 2017	
FF0372US1	SYSTEMS AND METHODS FOR DETERMINING DRIVE MODES	US	US	Utility	Pending	15/711,861	Sep 21, 2017					
FF0374US1	SYSTEMS AND METHODS FOR AUTOMATICALLY DEPLOYING ROAD HAZARD INDICATORS	US	US	Utility	Pending	15/719,282	Sep 28, 2017					
FF0376US1	GEO-PAIRING DETECTION	US	US	Utility	Pending	15/690,168	Aug 29, 2017					
FF0379CNZ	CAR EXTERIOR	CN	Foreign	Design	Issued	201730034933.7	Feb 9, 2017		ZL201730034933.7	Sep 15, 2017	Jun 2, 2017	
FF0379EUZ	CAR EXTERIOR	EM	Foreign	Design	Issued	003738236	Feb 3, 2017		003738236-0001/0002	Feb 3, 2017		
FF0379USZ1	CAR EXTERIOR	US	US	Design	Issued	29/573,790	Aug 9, 2016		D814,353	Apr 3, 2018	Dec 5, 2017	
FF0380US1	PARKING COSTS IN VIRTUALLY PARTITIONED PARKING AREAS	US	US	Utility	Pending	15/690,172	Aug 29, 2017					
FF0416US1	SYSTEMS AND METHODS FOR AUTOMOBILE TESTING AND OPTIMIZATION	US	US	Utility	Pending	15/853,761	Dec 23, 2017					
FF0419US1	SYSTEM AND METHOD FOR AUTOMATED SERVICING OF VEHICLES	US	US	Utility	Pending	15/690,177	Aug 29, 2017					
FF0420US1	SYSTEM AND METHOD FOR ADJUSTING ALIDAR SYSTEM	US	US	Utility	Pending	15/721,274	Sep 29, 2017					
FF0422CNZ	VEHICLE DASHBOARD	CN	Foreign	Design	Issued	201730053434.2	Feb 28, 2017		ZL201730053434.2	Oct 24, 2017	Jul 6, 2017	

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0422USZ1	VEHICLE DASHBOARD	US	US	Design	Issued	29/575,964	Aug 30, 2016		D843,288	Mar 19, 2019	Oct 22, 2018	
FF0424USZ1	VEHICLE OTTOMAN	US	US	Design	Issued	29/575,817	Aug 29, 2016		D800,635	Oct 24, 2017	Jun 15, 2017	
FF0425CNZ ¹	VEHICLE INTERIOR	CN	Foreign	Design	Issued	201730053493.X	Feb 28, 2017		ZL201730053493.X	Dec 22, 2017	Sep 12, 2017	
FF0425USZ1	VEHICLE INTERIOR	US	US	Design	Issued	29/575,945	Aug 30, 2016		D808,675	Jan 30, 2018	Sep 13, 2017	
FF0426US1	SYSTEMS AND METHODS FOR AUTOMATICALLY PASSING VEHICLES	US	US	Utility	Pending	15/717,851	Sep 27, 2017					
FF0427US1	SYSTEMS AND METHODS FOR OPTIMIZING ENERGY CONSUMPTION IN AUTONOMOUS VEHICLES	US	US	Utility	Pending	15/719,834	Sep 29, 2017					
FF0428US1	ATTENTION MONITORING SYSTEM FOR AUTONOMOUS VEHICLES	US	US	Utility	Pending	15/709,275	Sep 19, 2017					
FF0430US1	METHOD AND APPARATUS FOR VEHICLE CONTROL HAZARD DETECTION	US	US	Utility	Pending	15/716,931	Sep 27, 2017					
FF0431US1	SYSTEM AND METHOD FOR VEHICLE-BASED HEALTH MONITORING	US	US	Utility	Pending	15/713,511	Sep 22, 2017					
FF0433US1	METHOD AND SYSTEM FOR VEHICLE-TO-VEHICLE CHARGING	US	US	Utility	Pending	15/691,673	Aug 30, 2017					
FF0434US1	FLEX BUTTON SYSTEM	US	US	Utility	Pending	15/691,674	Aug 30, 2017					
FF0435US1	DUAL CHARGING STATION	US	US	Utility	Pending	15/713,527	Sep 22, 2017					
FF0436CN1	AUTOMATIC MODE SELECTION SYSTEM	CN	Foreign	Utility	Pending	201610829646.X	Sep 18, 2016					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OFFICE
FF0436US1	VEHICLE MODE ADJUSTING SYSTEM	US	US	Utility	Pending	15/264,623	Sep 14, 2016					
FF0438CN1	METHOD AND SYSTEM FOR DETECTING SIGNAL SPOOFING	CN	Foreign	Utility	Pending	201810266237.2	Mar 28, 2018					
FF0438US1	METHOD AND SYSTEM FOR DETECTING SIGNAL SPOOFING	US	US	Utility	Pending	15/941,640	Mar 30, 2018					
FF0440CNZ 1	WHEEL	CN	Foreign	Design	Issued	201730046909.5	Feb 22, 2017		ZL201730046909.5	Sep 15, 2017	Jun 2, 2017	
FF0440USZ1	WHEEL	US	US	Design	Issued	29/575,143	Aug 22, 2016		D823,432	Jul 17, 2018	Mar 15, 2018	
FF0441CNZ 1	WHEEL	CN	Foreign	Design	Issued	201730067110.4	Mar 10, 2017		ZL201730046909.5	Feb 27, 2018	Aug 25, 2017	
FF0441EUSZ 1	WHEEL	EM	Foreign	Design	Issued	003796804	Mar 13, 2017		003796804-0001/0002	Mar 13, 2017		
FF0441USZ1	WHEEL	US	US	Design	Issued	29/577,338	Sep 12, 2016		D824,831	Aug 7, 2018	Apr 2, 2018	
FF0442USZ1	WHEEL	US	US	Design	Issued	29/577,352	Sep 12, 2016		D824,832	Aug 7, 2018	Apr 4, 2018	
FF0497US1	EFFICIENT USE OF RESOURCES WHILE/AFTER CHARGING A VEHICLE	US	US	Utility	Pending	15/720,154	Sep 29, 2017					
FF0498US1	SYSTEM AND METHOD FOR IMPROVED MOBILE NAVIGATION	US	US	Utility	Pending	15/720,158	Sep 29, 2017					
FF0499US1	EMERGENCY ACCESS TO AN INACTIVE VEHICLE	US	US	Utility	Pending	15/720,163	Sep 29, 2017					
FF0500CN1	APPARATUS AND METHOD FOR HOLDING CIRCUIT AGAINST BATTERY MODULE	CN	Foreign	Utility	Pending	201810259025.1	Mar 27, 2018					
FF0500US1	APPARATUS AND METHOD FOR HOLDING CIRCUIT	US	US	Utility	Pending	15/942,314	Mar 30, 2018					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	INVENTOR	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ABOVE DATE	OWNER
	AGAINST BATTERY MODULE											
FF0501CN1	APPARATUS AND METHOD FOR HOLDING CIRCUIT FOR LASER WELDING	CN	Foreign	Utility	Pending	201810288729.1	Mar 30, 2018					
FF0501US1	APPARATUS AND METHOD FOR HOLDING CIRCUIT FOR LASER WELDING	US	US	Utility	Pending	15/942,317	Mar 30, 2018					
FF0502CN1	SYSTEMS AND METHODS FOR WELDING	CN	Foreign	Utility	Pending	201810271270.4	Mar 29, 2018					
FF0502US1	SYSTEMS AND METHODS FOR WELDING	US	US	Utility	Pending	15/942,323	Mar 30, 2018					
FF0503US1	VISUALIZATION OF INTRA-VEHICULAR COMMUNICATIONS NETWORKS	US	US	Utility	Pending	15/719,921	Sep 29, 2017					
FF0507US1	RETRACTABLE SENSOR COLUMN	US	US	Utility	Pending	16/092,204	Apr 7, 2017	Oct 8, 2018				
FF0508US1	BATTERY CELL FULL LIFE TRACKING SYSTEM	US	US	Utility	Pending	15/720,175	Sep 29, 2017					
FF0509US1	VEHICLE DURABILITY MODELING	US	US	Utility	Pending	15/721,115	Sep 29, 2017					
FF0518US1	REMOTE VEHICLE NETWORK MONITORING AND FAILURE PREDICTION SYSTEM	US	US	Utility	Pending	15/721,154	Sep 29, 2017					
FF0534US1	ACTUATOR FOR MOVABLE SENSOR FOR AUTONOMOUS DRIVING	US	US	Utility	Pending	16/092,206	Apr 7, 2017	Oct 3, 2018				
FF0535US1	PASSIVE PROPAGATION TEST FIXTURE	US	US	Utility	Pending	15/283,198	Sep 30, 2016					
FF0536US1	SYSTEMS AND METHODS FOR EVALUATING INSULATION OF FORMED WIRE OR WIRES	US	US	Utility	Issued	15/277,813	Sep 27, 2016		10,132,854	Nov 20, 2018	Jul 18, 2018	

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	NATURE TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWE D DATE	OWNER
FF0937US1	FLEXIBLE BUS BAR	US	US	Utility	Pending	15/282,091	Sep 30, 2016					
FF0541US1	MODIFIED STATOR LEADS AND METHODS OF JOINING STATOR LEADS	US	US	Utility	Pending	15/284,211	Oct 3, 2016					
FF0612US1	LIQUID-COOLED TANGLE RESISTANT CHARGE CABLE	US	US	Utility	Pending	15/720,181	Sep 29, 2017					
FF0945USZ1	VEHICLE AUTONOMOUS CONTROLLER	US	US	Design	Pending	29/589,632	Jan 3, 2017					
FF0946USZ1	WHEEL	US	US	Design	Pending	29/589,637	Jan 3, 2017					
FF0947USZ1	VEHICLE INSTRUMENT PANEL	US	US	Design	Issued	29/589,634	Jan 3, 2017		D838,280	Jan 15, 2019	Aug 27, 2018	
FF0948USZ1	VEHICLE DISPLAY OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	US	US	Design	Issued	29/589,628	Jan 3, 2017		D839,882	Feb 5, 2019	Sep 5, 2018	
FF0949USZ1	VEHICLE DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE	US	US	Design	Issued	29/589,635	Jan 3, 2017		D819,658	Jun 5, 2018	Jan 31, 2018	
FF0964CN1	METHODS AND SYSTEMS FOR VEHICLE MOTION PLANNING	CN	Foreign	Utility	Pending	201810150128.4	Feb 13, 2018					
FF0964US1	METHODS AND SYSTEMS FOR VEHICLE MOTION PLANNING	US	US	Utility	Pending	15/898,222	Feb 15, 2018					
FF0968CN1	SYSTEM AND METHOD FOR INTEGRATION OF REDUNDANT BUS ARCHITECTURE INTO A POWER SYSTEM	CN	Foreign	Utility	Pending	201810187957.X	Mar 7, 2018					
FF0968US1	SYSTEM AND METHOD FOR INTEGRATION OF REDUNDANT BUS ARCHITECTURE INTO A POWER SYSTEM	US	US	Utility	Pending	15/917,429	Mar 9, 2018					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATERIAL TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
FF0986CN1	SYSTEM AND METHOD FOR DETECTING OCCLUDED OBJECTS BASED ON IMAGE PROCESSING	CN	Foreign	Utility	Pending	201810602376.8	Jun 12, 2018					
FF0986US1	SYSTEM AND METHOD FOR DETECTING OCCLUDED OBJECTS BASED ON IMAGE PROCESSING	US	US	Utility	Pending	16/006,532	Jun 12, 2018					
FF0990CN1	MODIFIED LIDAR HOUSING	CN	Foreign	Utility	Pending	201810409264.0	May 2, 2018					
FF0990US1	MODIFIED LIDAR HOUSING	US	US	Utility	Pending	15/970,793	May 3, 2018					
FF0998PCT1	DEAD TIME COMPENSATION USING AN ERROR VOLTAGE CALCULATION	WO	Foreign	Utility	Pending	PCT/US2018/045289	Aug 3, 2018					
FF1001US1	SYSTEMS AND METHODS FOR INTEGRATED WELDING OF METAL MATERIALS	US	US	Utility	Pending	16/026,829	Jul 3, 2018					
FF1003PCT1	DENSE ENERGY-STORAGE SYSTEMS	WO	Foreign	Utility	Pending	PCT/US2018/054768	Oct 5, 2018					
FF1006CNZ1	CAR EXTERIOR	CN	Foreign	Design	Allowed	201830390136.7	Jul 19, 2018				Nov 1, 2018	
FF1006USZ1	CAR EXTERIOR	US	US	Design	Pending	29/634,350	Jan 19, 2018					
FF1009US1	HOUSING FOR AUTONOMOUS DRIVING SENSOR	US	US	Utility	Pending	16/031,938	Jul 10, 2018					
FF1011CN1	SYSTEM AND METHOD FOR GROUND AND FREE-SPACE DETECTION	CN	Foreign	Utility	Pending							
FF1011US1	SYSTEM AND METHOD FOR GROUND AND FREE-SPACE DETECTION	US	US	Utility	Pending	15/957,886	Apr 19, 2018					
FF1012CN1	SYSTEM AND METHOD FOR GROUND PLANE DETECTION	CN	Foreign	Utility	Pending							

PATENT NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATER IAL TYPE	STAT US	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRAN T DATE	ALLOW ED DATE	ORIGIN
FF1012US1	SYSTEM AND METHOD FOR GROUND PLANE DETECTION	US	US	Utility	Pending	15/957,889	Apr 19, 2018					
FF1013CN1	SYSTEM AND METHOD FOR VEHICULAR LOCALIZATION RELATING TO AUTONOMOUS NAVIGATION	CN	Foreign	Utility	Pending		Apr 17, 2019					
FF1013US1	SYSTEM AND METHOD FOR VEHICULAR LOCALIZATION RELATING TO AUTONOMOUS NAVIGATION	US	US	Utility	Pending	15/955,524	Apr 17, 2018					
FF1014CN1	SYSTEM AND METHOD FOR LIDAR-BASED VEHICULAR LOCALIZATION RELATING TO AUTONOMOUS NAVIGATION	CN	Foreign	Utility	Pending		Apr 17, 2019					
FF1014US1	SYSTEM AND METHOD FOR LIDAR-BASED VEHICULAR LOCALIZATION RELATING TO AUTONOMOUS NAVIGATION	US	US	Utility	Pending	15/956,623	Apr 18, 2018					
FF1015US1	SYSTEMS, METHODS AND APPARATUS FOR ESTIMATING TORQUE DURING FAULT CONDITIONS	US	US	Utility	Pending	16/044,400	Jul 24, 2018					
FF1016US1	VEHICULAR SEAL CARRIER SYSTEM	US	US	Utility	Pending	16/012,693	Jun 19, 2018					
FF1017US1	SYSTEM AND METHODS FOR MOUNTING A PERIPHERAL VEHICULAR DEVICE	US	US	Utility	Pending	16/039,189	Jul 18, 2018					
FF1018US1	BATTERY MODULE COOLANT FLUID	US	US	Utility	Pending	16/025,893	Jul 2, 2018					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	INVENTOR	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
	FLOW OPTIMIZATION METHOD											
FF1019US1	LIQUID COOLED BATTERY SYSTEM WITH INTEGRATED CURRENT CARRIER AND COOLANT PATH	US	US	Utility	Pending	16/013,192	Jun 20, 2018					
FF1020US1	REDUNDANT LOW-VOLTAGE BATTERY SYSTEM OPERATION IN ELECTRIC VEHICLES	US	US	Utility	Pending	16/013,731	Jun 20, 2018					
FF1021US1	SYSTEM AND METHOD FOR PROVIDING AUGMENTED-REALITY ASSISTANCE FOR VEHICULAR NAVIGATION	US	US	Utility	Pending	15/955,338	Apr 17, 2018					
FF1022CN1	SPEED-BUMP BASED LOCALIZATION ENHANCEMENT	CN	Foreign	Utility	Pending		Apr 17, 2019					
FF1022US1	SPEED-BUMP BASED LOCALIZATION ENHANCEMENT	US	US	Utility	Pending	15/955,366	Apr 17, 2018					
FF1035US1	SYSTEM AND METHOD OF CONTROLLING AUXILIARY VEHICLE FUNCTIONS	US	US	Utility	Pending	16/109,505	Aug 22, 2018					
FF1037US1	SYSTEM AND METHOD FOR PROVIDING VISUAL ASSISTANCE DURING AN AUTONOMOUS DRIVING MANEUVER	US	US	Utility	Pending	16/053,668	Aug 2, 2018					
FF1038US1	SYSTEM AND METHOD FOR VEHICLE WATER INGRESS PROTECTION	US	US	Utility	Pending	16/054,919	Aug 3, 2018					
FF1039US1	USER-FRIENDLY VEHICLE BLUETOOTH PAIRING SCHEME	US	US	Utility	Pending	16/240,626	Jan 4, 2019					
FF1040US1	ON-BOARD VEHICLE QUERY SYSTEM	US	US	Utility	Pending	16/240,571	Jan 4, 2019					
FF1041US1	CONNECTED VEHICLE NETWORK DATA	US	US	Prov	Pending	62/716,070	Aug 8, 2018					

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATTER TYPE	STATUS	APPLICATION NUMBER	DATE FILED	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	OWNER
	TRANSFER OPTIMIZATION											
FE1046USP1	CONNECTED VEHICLE BANDWIDTH-BASED NETWORK SELECTION	US	US	Prov	Pending	62/723,865	Aug 28, 2018					
FE1062USP1	MAP GENERATION USING FEATURE EXTRACTION FROM SATELLITE OR DRONE IMAGES	US	US	Prov	Pending	62/732,762	Sep 18, 2018					
FE1063USP1	SYSTEMS AND METHODS FOR HIGH DEFINITION MAPPING	US	US	Prov	Pending	62/732,767	Sep 18, 2018					

Trademarks/Trademark Licenses

All trademarks disclosed in English are registered to Faraday&Future Inc. as the record owner and City of Sky Limited as beneficial owner.

Pending and Registered

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
Israel	TM	Bonefish Logo	12	Registered	12/3/2016	280464	12/3/2015	280464
New Zealand	TM	Bonefish Logo	12	Registered	12/1/2015	1032884	6/3/2015	
Norway	TM	Bonefish Logo	12	Registered	12/2/2015	201515296	12/2/2015	286396
Philippines	TM	Bonefish Logo	12	Registered	12/2/2015	4-2015-506853	6/8/2017	4-2015-506853
Russia	TM	Bonefish Logo	12	Registered	12/2/2015	2015739441	12/2/2015	624233
Russia	TM	Bonefish Logo	12	Registered	12/2/2015	2015739442	12/2/2015	624234
Switzerland	TM	Bonefish Logo	12	Registered	12/1/2015	65090/2015	12/1/2015	688110
Thailand	TM	Bonefish Logo	12	Registered	12/3/2015	1016933	12/3/2015	171132640
Thailand	TM	Bonefish Logo	12	Registered	12/4/2015	1017152	12/4/2015	181104813
USA	TM	Bonefish Logo	9, 11, 12	Pending	10/8/2015	86781629		
Argentina	TM	Bonefish Logo	12	Registered	12/1/2015	3461433	11/25/2016	2853926

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
Australia	TM	Bonefish Logo	12	Registered	12/2/2015	1738613	12/2/2015	1738613
Canada	TM	Bonefish Logo	N/A	Pending	11/30/2015	1757150		
Australia	TM/SM	Bonefish Logo	7,9,11,12,35,37,39,42	Registered	12/3/2015	1738918	12/3/2015	1738918
Iceland	TM	Bonefish Logo	12	Registered	12/2/2015	V0098938	1/31/2016	V0098938
India	TM	Bonefish Logo	12	Pending	12/2/2015	3113726		
Brazil	TM	Bonefish Logo	12	Registered	12/1/2015	910351830	1/2/2018	910351830
Japan	TM	Bonefish Logo	12	Registered	12/3/2015	2015-118982	6/3/2016	5855889
Mexico	TM	Bonefish Logo	12	Registered	12/1/2015	1686848	4/28/2016	1633801
Chile	TM	Bonefish Logo	12	Registered	12/2/2015	1181274	12/7/2016	1181274
European Community	TM	Bonefish Logo	12	Registered	12/2/2015	014878251	12/2/2015	014878251
South Africa	TM	Bonefish Logo	12	Pending	12/2/2015	2015/34706	7/30/2015	
USA	TM	Bonefish Logo	12	Registered	6/3/2015	86650857	4/5/2016	4934162
Chile	TM	Bonefish Logo	12	Registered	12/2/2015	1181279	9/21/2016	1221673
Hong Kong	TM	Bonefish Logo	12	Pending	12/3/2015	303617569		
India	TM	Bonefish Logo	12	Pending	12/2/2015	3113727		
USA	TM/SM	Bonefish Logo	7, 9, 11, 37, 39	Pending	6/1/2015	86646854		
USA	SM	Bonefish Logo	35, 42	Pending	7/2/2015	86681719		
USA	TM	Bonefish Logo	12	Pending	6/1/2015	86978443		
Hong Kong		Bonefish Logo		Registered	6/11/2015	303438784	6/10/2015	303438784
Hong Kong		Bonefish Logo	35, 42	Pending	7/30/2015	303489922		
Hong Kong		Bonefish Logo		Registered	6/11/2015	303438793	6/10/2015	303438793
European Community	TM/SM	Bonefish Logo	7, 9, 11, 12, 37, 39	Registered	6/10/2015	014240329	11/5/2015	014240329
European Community	TM/SM	Bonefish Logo	11, 35, 42	Registered	7/30/2015	014427991	1/10/2016	014427991
Philippines	TM	Bonefish Logo	7,9,11,12,35,37,39,42	Pending	1/8/2016	4-2016-000275		
Malaysia	TM	Bonefish Logo	12	Registered	6/24/2015	2015059993	6/24/2015	2015059993
Malaysia	SM	Bonefish Logo	37	Registered	6/24/2015	2015059992	6/24/2015	2015059992
Malaysia	SM	Bonefish Logo	39	Registered	6/24/2015	2015059990	6/24/2015	2015059990

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
Malaysia	TM	Bonefish Logo	7	Pending	6/24/2015	2015059996		
Malaysia	TM	Bonefish Logo	9	Pending	6/24/2015	2015059995		
Malaysia	TM	Bonefish Logo	11	Pending	6/24/2015	2015059994		
Malaysia	SM	Bonefish Logo	35	Pending	8/12/2015	2015063192		
Malaysia	SM	Bonefish Logo	42	Pending	8/12/2015	2015063193		
Canada	TM/SM	Bonefish Logo	N/A	Pending	6/19/2015	1733673		
Canada	SM	Bonefish Logo	N/A	Pending	8/5/2015	1740369		
India	TM/SM	Bonefish Logo	7,9,11,12,37,39	Pending	6/23/2015	2992805		
Thailand	TM	Bonefish Logo	7	Pending	12/16/2015	1018687		
Thailand	TM	Bonefish Logo	9	Pending	12/16/2015	1018688		
Thailand	TM	Bonefish Logo	11	Pending	12/16/2015	1018689		
Thailand	TM	Bonefish Logo	12	Pending	12/16/2015	1018690		
Thailand	SM	Bonefish Logo	35	Pending	12/16/2015	1018691		
Thailand	SM	Bonefish Logo	37	Pending	12/16/2015	1018692		
Thailand	SM	Bonefish Logo	39	Pending	12/16/2015	1018693		
Thailand	SM	Bonefish Logo	42	Pending	12/16/2015	1018694		
India	SM	Bonefish Logo	35, 42	Pending	8/8/2015	3028192		
Singapore	SM	Bonefish Logo	35, 42	Pending	8/4/2015	40201513499X		
Singapore	TM/SM	Bonefish Logo	7, 9, 11, 12, 37, 39	Registered	6/19/2015	40201510553X	6/19/2015	40201510553X
Malaysia	TM	Bonefish Logo	12	Registered	12/3/2015	2015012436	12/3/2015	2015012436
Malaysia	TM	Bonefish Logo	12	Registered	12/3/2015	2015012435	12/3/2015	2015012435
Singapore	TM	Bonefish Logo	12	Registered	12/2/2015	40201521160S	12/2/2015	40201521160S
South Africa	TM	Bonefish Logo	12	Registered	12/2/2015	2015/34700	10/8/2015	2015/34700
South Korea	TM	Bonefish Logo	12	Registered	12/2/2015	40-2015-0089326	11/8/2016	40-1214151
Taiwan	TM	Bonefish Logo	12	Registered	12/3/2015	1016933	10/1/2016	1794888
USA	TM	CIPHER LIGHTS	11	Pending	6/29/2017	87511410		
Iceland	TM	ECHOLON	09, 12	Registered	8/16/2016	V0101627	9/30/2016	V0101627
Mexico	TM	ECHOLON	9	Registered	8/17/2016	1,784,812	8/17/2016	1703585

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
Mexico	TM	ECHELON	12	Registered	8/17/2016	1,784,813	8/17/2016	1706203
Russia	TM	ECHELON	9, 12	Registered	8/16/2016	40201613297Y	8/16/2016	631444
USA	TM	ECHELON	9, 12	Pending	2/19/2016	86913312		
Norway	TM	ECHELON	9, 12	Registered	8/16/2016	201609172	12/12/2016	290253
Switzerland	TM	ECHELON	09, 12	Registered	8/16/2016	59670/2016	8/16/2016	695.339
Australia	TM	ECHELON	9, 12	Registered	8/16/2016	1789966	12/7/2016	1789966
Israel	TM	ECHELON	09, 12	Registered	8/16/2016	287,236	8/16/2016	287,236
Japan	TM	ECHELON	9, 12	Registered	8/16/2016	2016-88885	11/17/2017	5997063
Canada	TM	ECHELON	N/A	Pending	8/15/2016	1795931		
European Community	TM	ECHELON	09, 12	Registered	8/16/2016	015753247	8/16/2016	015753247
Singapore	TM	ECHELON	09, 12	Registered	8/16/2016	40201613297Y	8/16/2016	40201613297Y
South Korea	TM/SM	ECHELON	9	Registered	8/16/2016	40-2016-0062309	8/9/2017	40-1275540
Taiwan	TM	ECHELON	9, 12	Registered	8/16/2016	105048444	7/1/2017	1852668
Turkey	TM	ECHELON	9, 12	Registered	8/16/2016	2016/66297	8/16/2016	2016/66297
UAE	TM	ECHELON	9	Registered	8/16/2016	258406	2/17/2016	258406
UAE	TM	ECHELON	12	Registered	8/16/2016	258407	2/17/2016	258407
USA	TM	ECLIPSE MODE	12	Pending	6/29/2017	87511382		
India	TM/SM	FAFA	7,9,11,12,37,39	Pending	6/23/2015	2992807		
India	SM	FAFA	35,42	Pending	8/8/2015	3028194		
Singapore	TM/SM	FAFA	7, 9, 11, 12, 37, 39	Registered	6/19/2015	40201510556W	6/19/2015	40201510556W
Singapore	SM	FAFA	35, 42	Registered	8/4/2015	40201513505V	8/4/2015	40201513505V
European Community	TM/SM	FAFA	7, 9, 11, 12, 37, 39	Registered	6/10/2015	014240394	11/5/2015	014240394
European Community	TM/SM	FAFA	11, 35, 42	Registered	7/30/2015	014427983	12/31/2015	014427983
Hong Kong		FAFA		Registered	6/11/2015	303438801	6/10/2015	303438801
Hong Kong		FAFA		Registered	7/30/2015	303489940	7/29/2015	303489940
Malaysia	TM	FAFA	7	Pending	6/24/2015	2015059979		
Malaysia	TM	FAFA	9	Pending	6/24/2015	2015059978		

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Malaysia	TM	FAFA	11	Pending	6/24/2015	2015059974		
Malaysia	TM	FAFA	12	Pending	6/24/2015	2015059966		
Malaysia	SM	FAFA	37	Pending	6/24/2015	2015059963		
Malaysia	SM	FAFA	39	Pending	6/24/2015	2015059958		
USA	TM/SM	FAFA	7, 9, 11, 12, 37, 39	Pending	6/1/2015	86646844		
Malaysia	TM	FARADA	12	Registered	4/2/2015	2015055218	4/2/2015	2015055218
Malaysia	SM	FARADA	37	Registered	4/1/2025	2015055216	4/1/2015	2015055216
Malaysia	SM	FARADA	39	Registered	4/1/2025	2015055199	4/1/2015	2015055199
European Community	TM/SM	FARADA	12, 37, 39	Registered	3/27/2015	013883798	9/9/2015	013883798
Hong Kong	TM/SM	FARADA	12, 37, 39	Registered	3/5/2016	303320135	9/15/2015	303320135
Singapore	TM/SM	FARADA	12, 37, 39	Registered	3/16/2015	40201504405S	3/16/2015	40201504405S
India	TM/SM	FARADA	12, 37, 39	Pending	3/19/2015	2925549		
India	TM/SM	FARADAE	12, 37, 39	Pending	3/19/2015	2925547		
Malaysia	TM	FARADAE	12	Registered	4/2/2015	2015055221	4/2/2015	2015055221
Malaysia	SM	FARADAE	37	Registered	4/2/2015	2015055220	4/2/2015	2015055220
Malaysia	SM	FARADAE	39	Pending	4/2/2015	2015055219		
Singapore	TM/SM	FARADAE	12, 37, 39	Registered	3/16/2015	40201504404T	3/16/2015	40201504404T
Hong Kong	TM/SM	FARADAE	12, 37, 39	Registered	3/5/2015	303320126	8/19/2015	303320126
European Community	TM/SM	FARADAE	12, 37, 39	Registered	3/27/2015	013883699	9/9/2015	013883699
Iceland	TM	FARADAY FUTURE	12	Registered	4/7/2016	V0100522	4/30/2016	V0100522
India	TM	FARADAY FUTURE	12	Registered	4/7/2016	3230737	4/7/2016	3230737
Jordan	TM	FARADAY FUTURE	12	Registered	4/7/2016	146054	10/7/2015	146054
Malaysia	TM	FARADAY FUTURE	12	Registered	4/7/2016	2016003588	10/8/2015	2016003588
Mexico	TM	FARADAY FUTURE	12	Registered	4/7/2016	1733870	4/7/2016	1664960
New Zealand	TM	FARADAY FUTURE	12	Registered	4/7/2016	1040689	10/7/2015	
Norway	TM	FARADAY FUTURE	12	Registered	4/7/2016	201604542	4/7/2016	288446
Oman	TM	FARADAY FUTURE	12	Registered	4/7/2016	101896	4/7/2016	101896
Russia	TM	FARADAY FUTURE	12	Registered	4/7/2016	2016711466	4/7/2016	611024

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Switzerland	TM	FARADAY FUTURE	12	Registered	4/7/2016	54282/2016	4/7/2016	690456
Bahrain	TM	FARADAY FUTURE	12	Registered	6/20/2016	116556	6/20/2016	116556
Chile	TM	FARADAY FUTURE	12	Registered	4/7/2016	1198818	12/29/2016	12232276
European Community	TM	FARADAY FUTURE	12	Registered	4/7/2016	015310899	4/7/2016	015310899
Hong Kong	TM	FARADAY FUTURE	12	Registered	4/7/2016	303735162	4/7/2016	303735162
Israel	TM	FARADAY FUTURE	12	Registered	4/7/2016	284379	4/7/2016	284379
Japan	TM	FARADAY FUTURE	12	Registered	4/7/2016	2016-40385	9/16/2016	5882570
China	TM	FARADAY FUTURE	12	Pending	4/7/2016			
Kuwait	TM	FARADAY FUTURE	12	Registered	4/7/2016	179123	4/7/2016	147013
Lebanon	TM	FARADAY FUTURE	12	Registered	4/7/2016	49110	4/7/2016	173599
Taiwan	TM	FARADAY FUTURE	12	Registered	4/7/2016	105018964	10/1/2016	1794940
South Africa	TM	FARADAY FUTURE	12	Pending	4/7/2016	2016/09450		
Canada	TM	FARADAY FUTURE	09, 11, 12	Pending	4/7/2016	1776032		
Argentina	TM	FARADAY FUTURE	12	Pending	4/7/2016	3493482		
Vietnam	TM	FARADAY FUTURE	12	Pending	4/7/2016	4-2016-09482		
Singapore	TM	FARADAY FUTURE	12	Registered	4/7/2016	40201606205Q	4/7/2016	40201606205Q
Australia	TM	FARADAY FUTURE	12	Pending	4/7/2016	1763427		
Brazil	TM	FARADAY FUTURE	12	Pending	4/7/2016	910877220		
USA	TM	FARADAY FUTURE	12	Pending	10/7/2015	86780745		
USA	TM	FARADAY FUTURE	12	Pending	10/7/2015	86978419		
Qatar	TM	FARADAY FUTURE	12	Registered	4/7/2016	105179	4/7/2016	105179
Saudi Arabia	TM	FARADAY FUTURE	12	Registered	6/23/2016	1437021390	6/23/2016	1437021390
South Korea	TM	FARADAY FUTURE	12	Registered	4/7/2016	40-2016-0025901	4/8/2017	40-1245986
Turkey	TM	FARADAY FUTURE	12	Registered	4/7/2016	2016/32026	4/7/2016	2016/32026
UAE	TM	FARADAY FUTURE	12	Registered	6/23/2016	255619	6/23/2016	255619
Yemen	TM	FARADAY FUTURE	12	Registered	6/28/2016	75492	6/28/2016	75492
Iceland	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	V0100523	4/30/2016	V0100523

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India	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	3230738	4/7/2016	3230738
Jordan	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	146055	10/8/2015	146055
Malaysia	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	2016003587	10/7/2015	2016003587
Mexico	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	1733869	4/7/2016	1664959
New Zealand	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	1040693	10/8/2015	
Norway	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	201604544	4/7/2016	288447
Oman	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	101897	4/7/2016	101897
Russia	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	2016711473	4/7/2016	626239
Switzerland	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	54283/2016	4/7/2016	690455
Thailand	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	1036084	4/7/2016	171137158
Australia	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	1763439	4/7/2016	1763439
Chile	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	1198819	3/28/2017	1241664
European Community	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	015310907	4/7/2016	015310907
Israel	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	284380	4/7/2016	284380
Japan	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/8/2016	2016-40906	9/16/2016	5882577
USA	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	10/8/2015	86781618		
Brazil	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	910877254		
Vietnam	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	4-2016-09481		
Hong Kong	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	303735171		
Argentina	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	3493483		
Saudi Arabia	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	6/23/2016	1437021392	6/23/2016	1437021392

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Singapore	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	40201606207R	4/7/2016	40201606207R
Canada	TM	FARADAY FUTURE & Bonefish Logo	09, 11, 12	Pending	4/7/2016	1776033		
Egypt	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	333518		
Kuwait	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	0		
Qatar	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	105180		
South Africa	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	2016/09451		
South Korea	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	40-2016-0025902	4/11/2017	40-1245983
Taiwan	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	105018967	2/1/2017	1821356
Lebanon	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	49109	4/8/2016	173620
UAE	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	6/23/2016	255620		
China	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016			
Turkey	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	4/7/2016	2016/32028	4/7/2016	2016/32028
Yemen	TM	FARADAY FUTURE & Bonefish Logo	12	Registered	6/28/2016	75493	6/28/2016	75493
Hong Kong	TM/SM	FARADE	12, 37, 39	Pending	3/5/2016	303320144		
European Community	TM/SM	FARADE	12, 37, 39	Registered	3/27/2015	013883831	9/9/2015	013883831
Singapore	TM/SM	FARADE	12, 37, 39	Registered	3/16/2015	40201504406V	3/16/2015	40201504406V
India	TM/SM	FARADE	12, 37, 39	Pending	3/19/2015	2925551		
Malaysia	SM	FARAF A	39	Registered	4/1/2015	2015056509	4/1/2015	2015056509
Hong Kong	TM/SM	FARAF A	7,9,11,14,18,25,28,35,36	Registered	4/9/2015	303366621	4/9/2015	303366621
India	TM/SM	FARAF A	7,9,11,14,18,25,28,35,36	Pending	4/24/2015	2949849		
India	TM/SM	FARAF A	12, 37, 39	Pending	3/19/2015	2925554		
Singapore	TM/SM	FARAF A	7,9,11,14,18,25,28,35,36	Registered	4/16/2015	40201506325S	4/16/2015	40201506325S
Singapore	TM/SM	FARAF A	7,9,11,14,18,25,28,35,36	Registered	3/16/2015	40201504408Y	3/16/2015	40201504408Y

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Macau	TM	FARAFa	7	Pending	6/2/2015	N/100154 (743)		
Macau	TM	FARAFa	9	Pending	6/2/2015	N/100155 (122)		
Macau	TM	FARAFa	11	Pending	6/2/2015	N/100156 (118)		
Macau	TM	FARAFa	12	Pending	6/2/2015	N/100157 (734)		
Macau	TM	FARAFa	14	Pending	6/2/2015	N/100158 (905)		
Macau	TM	FARAFa	18	Pending	6/2/2015	N/100159 (680)		
Macau	TM	FARAFa	25	Pending	6/2/2015	N/100160 (430)		
Macau	TM	FARAFa	28	Pending	6/2/2015	N/100161 (979)		
Macau	SM	FARAFa	35	Pending	6/2/2015	N/100162 (186)		
Macau	SM	FARAFa	36	Pending	6/2/2015	N/100163 (978)		
Macau	SM	FARAFa	37	Pending	6/2/2015	N/100164 (143)		
Macau	SM	FARAFa	38	Pending	6/2/2015	N/100165 (787)		
Macau	SM	FARAFa	39	Pending	6/2/2015	N/100166 (122)		
Macau	SM	FARAFa	41	Pending	6/2/2015	N/100167 (497)		
Macau	SM	FARAFa	42	Pending	6/2/2015	N/100168 (490)		
Macau	SM	FARAFa	45	Pending	6/2/2015	N/100169 (458)		
European Community	TM/SM	FARAFa	7,9,11,12,14,18,28,35,36	Registered	4/1/2015	013901467	9/9/2015	013901467
Hong Kong	TM/SM	FARAFa	12, 37, 39	Registered	3/5/2015	303320153	7/15/2015	303320153
Malaysia	TM	FARAFa	7	Pending	4/28/2015	2015056514		
Malaysia	TM	FARAFa	9	Pending	4/28/2015	2015056512		
Malaysia	TM	FARAFa	11	Pending	4/28/2015	2015056509		
Malaysia	TM	FARAFa	12	Registered	4/1/2015	2015055190	4/1/2015	2015055190
Malaysia	TM	FARAFa	14	Pending	4/28/2015	2015056507		
Malaysia	TM	FARAFa	18	Pending	4/28/2015	2015056505		
Malaysia	TM	FARAFa	25	Pending	4/28/2015	2015056501		
Malaysia	TM	FARAFa	28	Pending	4/28/2015	2015056500		
Malaysia	SM	FARAFa	35	Pending	4/28/2015	2015056497		
Malaysia	SM	FARAFa	36	Pending	4/28/2015	2015056497		

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Malaysia	SM	FARAFFA	37	Registered	4/1/2015	2015055186	4/1/2015	2015055186
Malaysia	SM	FARAFFA	38	Pending	4/28/2015	2015056490		
Malaysia	SM	FARAFFA	41	Pending	4/28/2015	2015056487		
Malaysia	SM	FARAFFA	42	Pending	4/28/2015	2015056485		
Malaysia	SM	FARAFFA	45	Pending	4/28/2015	2015056484		
USA	TM/SM	FARAFFA	12, 37, 39	Registered	1/24/2015	86513206	3/29/2016	4928808
USA	TM	FARAFFA	7, 9, 11, 14, 18,	Registered	3/26/2015	86577100	4/5/2016	4934011
Hong Kong	TM/SM	FARAFARO	7, 9, 11, 14, 18, 25, 28, 35, 36	Registered	4/30/2015	303393874	4/30/2015	303393874
Singapore	TM/SM	FARAFARO	7, 9, 11, 14, 18, 25, 28, 35, 36	Registered	5/13/2015	40201507936Q	5/13/2015	40201507936Q
Malaysia	TM	FARAFARO	7	Pending	6/15/2015	2015059259		
Malaysia	TM	FARAFARO	9	Pending	6/15/2015	2015059257		
Malaysia	TM	FARAFARO	11	Pending	6/15/2015	2015059256		
Malaysia	TM	FARAFARO	12	Pending	6/15/2015	2015059254		
Malaysia	TM	FARAFARO	14	Pending	6/15/2015	2015059253		
Malaysia	TM	FARAFARO	18	Pending	6/15/2015	2015059252		
Malaysia	TM	FARAFARO	25	Pending	6/15/2015	2015059251		
Malaysia	TM	FARAFARO	28	Pending	6/15/2015	2015059250		
Malaysia	SM	FARAFARO	35	Pending	6/15/2015	2015059249		
Malaysia	SM	FARAFARO	36	Pending	6/15/2015	2015059248		
Malaysia	SM	FARAFARO	37	Pending	6/15/2015	2015059247		
Malaysia	SM	FARAFARO	38	Pending	6/15/2015	2015059245		
Malaysia	SM	FARAFARO	39	Pending	6/15/2015	2015059243		
Malaysia	SM	FARAFARO	41	Pending	6/15/2015	2015059242		
Malaysia	SM	FARAFARO	42	Pending	6/15/2015	2015059240		
Malaysia	SM	FARAFARO	45	Pending	6/15/2015	2015059238		
European Community	TM/SM	FARAFARO	7, 9, 11, 12, 14, 18, 28, 35, 36	Registered	4/30/2015	014019426	5/22/2016	014019426
India	TM/SM	FARAFARO	7, 9, 11, 14, 18, 25, 28, 35, 36,	Pending	5/18/2015	2966009		
USA	TM	FARAFARO	7, 9, 11, 12	Registered	4/10/2015	86593091	4/5/2016	4934032

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USA	TM	FARAFARO	14, 18, 25, 28	Registered	4/10/2015	86593159	5/3/2016	4952844
USA	SM	FARAFARO	35, 36, 37, 38	Registered	4/10/2015	86593219	5/3/2016	4952845
USA	SM	FARAFARO	39, 41, 42, 45	Registered	4/10/2015	86593315	8/2/2016	5013879
USA	TM	FF 61	12	Pending	7/9/2018	88030110		
USA	TM	FF 71	12	Pending	7/9/2018	88030081		
USA	TM	FF 81	12	Pending	7/9/2018	88030053		
USA	TM	FF 91	12	Pending	6/26/2018	87506109		
Iceland	TM	FF ECHELON INVERTER	09, 12	Registered	8/16/2016	V0101626	9/30/2016	V0101626
India	TM	FF ECHELON INVERTER	9, 12	Registered	8/17/2016	3339176	2/17/2016	3339176
Mexico	TM	FF ECHELON INVERTER	9	Registered	8/17/2016	1,784,815	8/17/2016	1703586
Mexico	TM	FF ECHELON INVERTER	12	Registered	8/17/2016	1,784,816	8/17/2016	1706204
Switzerland	TM	FF ECHELON INVERTER	09, 12	Registered	8/16/2016	59669/2016	8/16/2016	695340
Israel	TM	FF ECHELON INVERTER	09, 12	Registered	8/16/2016	287235	8/16/2016	287235
Singapore	TM	FF ECHELON INVERTER	09, 12	Registered	8/16/2016	40201613295T	8/16/2016	40201613295T
Taiwan	TM	FF ECHELON INVERTER	9, 12	Registered	8/16/2016	105048442		
European Community	TM	FF ECHELON INVERTER	09, 12	Registered	8/16/2016	015753171	8/16/2016	015753171
UAE	TM	FF ECHELON INVERTER	9	Registered	8/16/2016	258404	2/17/2016	258404
UAE	TM	FF ECHELON INVERTER	12	Registered	8/16/2016	258405	2/17/2016	258405
USA	TM	FF ECHELON INVERTER	9, 12	Pending	2/17/2016	86909967		
Hong Kong		FFCAR		Registered	7/30/2015	303489959	7/30/2015	303489959
Singapore	TM/SM	FFCAR	9, 12, 35, 37, 39, 42	Registered	8/4/2015	40201513508Q	8/4/2015	40201513508Q
European Community	TM/SM	FFCAR	9, 12, 35, 37, 39, 42	Registered	7/30/2015	014428023	1/11/2016	014428023
Malaysia	TM	FFCAR	9	Pending	8/12/2015	2015063209		
Malaysia	TM	FFCAR	12	Pending	8/12/2015	2015063213		

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Malaysia	SM	FFCAR	35	Pending	8/12/2015	2015063214		
Malaysia	SM	FFCAR	37	Pending	8/12/2015	2015063216		
Malaysia	SM	FFCAR	39	Pending	8/12/2015	2015063218		
Malaysia	SM	FFCAR	42	Pending	8/12/2015	2015063219		
USA	TM	FFCAR	12	Pending	7/1/2015	86679984		
India	TM/SM	FFCAR	9, 12, 35, 37, 39, 42	Pending	8/8/2015	3028195		
USA	TM	FFCTRL APP	9	Pending	6/29/2017	87510802		
Hong Kong		FFMOTOR		Registered	7/30/2015	303489968	7/30/2015	303489968
Singapore	TM/SM	FFMOTOR	9, 12, 35, 37, 39, 42	Registered	8/4/2015	40201513527W	8/4/2015	40201513527W
India	TM/SM	FFMOTOR	9,12,35,37,39,42	Pending	8/8/2015	3028196		
USA	TM	FFMOTOR	12	Pending	7/1/2015	86680010		
Malaysia	TM	FFMOTOR	9	Pending	8/12/2015	2015063222		
Malaysia	TM	FFMOTOR	12	Pending	8/12/2015	2015063223		
Malaysia	SM	FFMOTOR	35	Pending	8/12/2015	2015063251		
Malaysia	SM	FFMOTOR	37	Pending	8/12/2015	2015063252		
Malaysia	SM	FFMOTOR	39	Pending	8/12/2015	2015063253		
Malaysia	SM	FFMOTOR	42	Pending	8/12/2015	2015063255		
European Community	TM/SM	FFMOTOR	9, 12, 35, 37, 39, 42	Registered	7/30/2015	014428015	1/10/2016	014428015
USA	SM	FUTUREIGHT	41	Registered	5/18/2016	87040982	2/21/2017	5145206
USA	TM	INSIDE OUT DESIGN	12, 42	Pending	2/2/2016	86894662		
USA	SM	Motion Mark (Circle Logo)	41	Registered	7/11/2016	87099321	12/6/2016	5,095,601
Philippines	TM	Solid Bonefish Logo	7,9,11,12,35,37,39,42	Registered	1/8/2016	4-2016-000277		4-2016-000277
Singapore	TM/SM	Solid Bonefish Logo	7, 9, 11, 12, 37, 39	Registered	6/19/2015	40201510555Q	6/19/2015	40201510555Q
India	SM	Solid Bonefish Logo	35, 42	Pending	8/8/2015	3028193	6/28/2016	75493
Singapore	SM	Solid Bonefish Logo	35, 42	Pending	8/4/2015	40201513500X		
India	SM	Solid Bonefish Logo	35, 42	Pending	8/8/2015	2992806		
Thailand	TM	Solid Bonefish Logo	7	Pending	12/16/2015	1018695		

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
Thailand	TM	Solid Bonefish Logo	9	Pending	12/16/2015	1018696		
Thailand	TM	Solid Bonefish Logo	11	Pending	12/16/2015	1018697		
Thailand	TM	Solid Bonefish Logo	12	Pending	12/16/2015	1018698		
Thailand	SM	Solid Bonefish Logo	35	Pending	12/16/2015	1018699		
Thailand	SM	Solid Bonefish Logo	37	Pending	12/16/2015	1018700		
Thailand	SM	Solid Bonefish Logo	39	Pending	12/16/2015	1018701		
Thailand	SM	Solid Bonefish Logo	42	Pending	12/16/2015	1018702		
European Community	TM/SM	Solid Bonefish Logo	7, 9, 11, 12, 37, 39	Registered	6/10/2015	014240361	11/5/2016	014240361
Hong Kong	SM	Solid Bonefish Logo	35, 42	Pending	7/30/2015	303489931		
European Community	TM/SM	Solid Bonefish Logo	11, 35, 42	Registered	7/30/2015	014428007	1/11/2016	014428007
Malaysia	SM	Solid Bonefish Logo	35	Pending	8/12/2015	2015063194		
Malaysia	SM	Solid Bonefish Logo	42	Pending	8/12/2015	2015063195		
Canada	TM/SM	Solid Bonefish Logo	N/A	Pending	6/19/2015	1733674		
Canada	SM	Solid Bonefish Logo	N/A	Pending	8/5/2015	1740370		
Malaysia	TM	Solid Bonefish Logo	7	Pending	6/24/2015	2015059989		
Malaysia	TM	Solid Bonefish Logo	9	Pending	6/24/2015	2015059988		
Malaysia	TM	Solid Bonefish Logo	11	Pending	6/24/2015	2015059987		
Malaysia	TM	Solid Bonefish Logo	12	Pending	6/24/2015	2015059986		
Malaysia	SM	Solid Bonefish Logo	37	Pending	6/24/2015	2015059985		
Malaysia	SM	Solid Bonefish Logo	39	Pending	6/24/2015	2015059983		
USA	TM	VARIABLE PLATFORM ARCHITECTURE	12	Pending	1/5/2016	86866382		
China	TM	VARIABLE PLATFORM ARCHITECTURE	12	Pending	4/18/2016			
China	TM	VPA	12	Pending	4/18/2016			
USA	TM	VPA	12	Pending	1/5/2016	86866395		
China	TM	FARADAY FUTURE & Bonefish Logo	12	Pending	4/7/2016	19549708		

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
China	TM	Bonefish Logo	12	Pending	12/1/2015	18472765		
China		法乐第	1	Registered	6/13/2016	19725163		
China		法乐第	2	Registered	6/14/2016	19725164		
China		法乐第	3	Registered	6/15/2016	19725165		
China		法乐第	4	Registered	6/16/2016	19725166		
China		法乐第	6	Registered	6/17/2016	19725167		
China		法乐第	14	Registered	6/18/2016	19725173		
China		法乐第	15	Registered	6/19/2016	19725174		
China		法乐第	16	Registered	6/20/2016	19725175		
China		法乐第	17	Registered	6/21/2016	19725176		
China		法乐第	18	Registered	6/22/2016	19725283		
China		法乐第	20	Registered	6/23/2016	19725282		
China		法乐第	21	Registered	6/24/2016	19725281		
China		法乐第	22	Registered	6/25/2016	19725280		
China		法乐第	23	Registered	6/26/2016	19725279		
China		法乐第	24	Registered	6/27/2016	19725177		
China		法乐第	25	Registered	6/28/2016	19725129		
China		法乐第	26	Registered	6/29/2016	19725130		
China		法乐第	27	Registered	6/30/2016	19725131		
China		法乐第	28	Registered	7/1/2016	19725132		
China		法乐第	30	Registered	7/2/2016	19725133		
China		法乐第	32	Registered	7/3/2016	19725134		
China		法乐第	33	Registered	7/4/2016	19725135		
China		法乐第	34	Registered	7/5/2016	19725136		
China		法乐第	35	Registered	7/6/2016	19725137		
China		法乐第	38	Registered	7/7/2016	19725140		
China		法乐第	40	Registered	7/8/2016	19725142		

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
China		法乐第未来	2	Registered	7/9/2016	19725328		
China		法乐第未来	3	Registered	7/10/2016	19725327		
China		法乐第未来	4	Registered	7/11/2016	19725326		
China		法乐第未来	6	Registered	7/12/2016	19725325		
China		法乐第未来	8	Registered	7/13/2016	19725323		
China		法乐第未来	14	Registered	7/14/2016	19725319		
China		法乐第未来	15	Registered	7/15/2016	19725318		
China		法乐第未来	16	Registered	7/16/2016	19725317		
China		法乐第未来	17	Registered	7/17/2016	19725316		
China		法乐第未来	18	Registered	7/18/2016	19725315		
China		法乐第未来	20	Registered	7/19/2016	19725314		
China		法乐第未来	21	Registered	7/20/2016	19725313		
China		法乐第未来	22	Registered	7/21/2016	19725312		
China		法乐第未来	23	Registered	7/22/2016	19725311		
China		法乐第未来	24	Registered	7/23/2016	19725310		
China		法乐第未来	25	Registered	7/24/2016	19725309		
China		法乐第未来	26	Registered	7/25/2016	19725308		
China		法乐第未来	27	Registered	7/26/2016	19725307		
China		法乐第未来	28	Registered	7/27/2016	19725306		
China		法乐第未来	30	Registered	7/28/2016	19725305		
China		法乐第未来	32	Registered	7/29/2016	19725304		
China		法乐第未来	33	Registered	7/30/2016	19725303		
China		法乐第未来	34	Registered	7/31/2016	19725302		
China		法乐第未来	35	Registered	8/1/2016	19725301		
China		法乐第未来	40	Registered	8/2/2016	19725296		
China		法乐第未来	42	Registered	8/3/2016	19725294		
China		法拉第未来	1	Registered	8/4/2016	19725145		

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
China		法拉第未来	2	Registered	8/5/2016	19725146		
China		法拉第未来	3	Registered	8/6/2016	19725147		
China		法拉第未来	4	Registered	8/7/2016	19725148		
China		法拉第未来	6	Registered	8/8/2016	19725149		
China		法拉第未来	8	Registered	8/9/2016	19725151		
China		法拉第未来	14	Registered	8/10/2016	19725155		
China		法拉第未来	15	Registered	8/11/2016	19725156		
China		法拉第未来	16	Registered	8/12/2016	19725157		
China		法拉第未来	17	Registered	8/13/2016	19725158		
China		法拉第未来	18	Registered	8/14/2016	19725159		
China		法拉第未来	20	Registered	8/15/2016	19725160		
China		法拉第未来	21	Registered	8/16/2016	19725161		
China		法拉第未来	22	Registered	8/17/2016	19725162		
China		法拉第未来	23	Registered	8/18/2016	19725460		
China		法拉第未来	24	Registered	8/19/2016	19725461		
China		法拉第未来	25	Registered	8/20/2016	19725463		
China		法拉第未来	26	Registered	8/21/2016	19725464		
China		法拉第未来	27	Registered	8/22/2016	19725465		
China		法拉第未来	28	Registered	8/23/2016	19725466		
China		法拉第未来	30	Registered	8/24/2016	19725462		
China		法拉第未来	32	Registered	8/25/2016	19725459		
China		法拉第未来	33	Registered	8/26/2016	19725458		
China		法拉第未来	34	Registered	8/27/2016	19725457		
China		法拉第未来	35	Registered	8/28/2016	19725456		
China		法拉第未来	38	Registered	8/29/2016	19725453		
China		法拉第未来	40	Registered	8/30/2016	19725451		
China		法法	1	Registered	5/20/2016	19725234		
China		法法	2	Registered	5/21/2016	19725233		

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
China		法法	4	Registered	5/22/2016	19725231		
China		法法	6	Registered	5/23/2016	19725230		
China		法法	7	Registered	5/24/2016	19725229		
China		法法	8	Registered	5/25/2016	19725428		
China		法法	14	Registered	5/26/2016	19725425		
China		法法	15	Registered	5/27/2016	19725424		
China		法法	17	Registered	5/28/2016	19725422		
China		法法	18	Registered	5/29/2016	19725421		
China		法法	21	Registered	5/30/2016	19725419		
China		法法	22	Registered	5/31/2016	19725418		
China		法法	23	Registered	6/1/2016	19725417		
China		法法	24	Registered	6/2/2016	19725416		
China		法法	27	Registered	6/3/2016	19725413		
China		法法	28	Registered	6/4/2016	19725412		
China		法法	30	Registered	6/5/2016	19725411		
China		法法	33	Registered	6/6/2016	19725409		
China		法法	34	Registered	6/7/2016	19725408		
China		法法	36	Registered	6/8/2016	19725406		
China		法法	38	Registered	6/9/2016	19725405		
China		法法	39	Registered	6/10/2016	19725404		
China		法法	40	Registered	6/11/2016	19725403		
China		法法	41	Registered	6/12/2016	19725402		
China		越 未来	37	Registered	8/31/2016	19725290		

Copyrights

None.

License Agreements

1. License Agreement, dated as of March 14, 2017, as amended, by and between City of Sky Limited, LeSee Automotive (Zhejiang) Co., Ltd. and Faraday&Future Inc.
2. Trademark License Agreement, dated December 2016, between City of Sky Limited and FF Internet & Intelligent EV Co., Ltd.
3. Reservation License Agreement dated December 29, 2016, between Faraday&Future Inc. and FF Internet & Intelligent EV Co., Ltd.
4. Research and Development Services Agreement dated as of January 1, 2015 between City of Sky Limited and Faraday&Future Inc.
5. Development Services Agreement dated October 19, 2015 by and between Faraday&Future, Inc. and Robert Bosch LLC.
6. Development Services Agreement dated June 17, 2015 by and between Faraday&Future, Inc. and Robert Bosch LLC.
7. Development Services Agreement dated April 4, 2016 by and between Faraday&Future, Inc. and Robert Bosch LLC.
8. Development Services Agreement dated October 3, 2016 by and between Faraday&Future, Inc. and Edscha Automotive Michigan, Inc.

Supplement to the Intellectual Property Security Agreement was recorded with the United States Patent and Trademark Office on (i) October 14, 2020 at Reel/Frame 054044/0724 in respect of the patents and (ii) it does not appear that the supplement was recorded against the trademark.

Patents

FILE NUMBER	TITLE	COUNTRY CODE	COUNTRY	MATTER TYPE	STATUS	APPLICATION NUMBER	FILING DATE	LOCAL FILING DATE	PATENT NUMBER	GRANT DATE	ALLOWED DATE	PRIORITY APPLICATION NUMBER	PRIORITY DATE
FF0508USCI	BATTERY CELL FULL LIFE TRACKING SYSTEM	US	US	Utility	Pending	16/839,010	Apr 2, 2020						
FF1039PCTI	USER-FRIENDLY VEHICLE BLUETOOTH PAIRING SCHEME	WO	Foreign	Utility	Pending	PCT/US2020/012434	Jan 6, 2020						Jan 4, 2019
FF1040PCTI	ON-BOARD VEHICLE QUERY SYSTEM	WO	Foreign	Utility	Pending	PCT/US2020/012432	Jan 6, 2020						Jan 4, 2019
FF1041USI	CONNECTED VEHICLE NETWORK DATA	US	US	Utility	Pending	16/536,258	Aug 8, 2019					62716070	Aug 8, 2018
FF1046USI	CONNECTED VEHICLE BANDWIDTH-BASED NETWORK SELECTION	US	US	Utility	Pending	16/554,488	Aug 28, 2019						
FF1062USI	MAP REFINEMENT USING FEATURE EXTRACTION FROM IMAGES	US	US	Utility	Pending	16/687,577	Nov 18, 2019					62732762	Sep 18, 2018

Trademarks

Country	Mark Type	Mark	Class	Status	Application Date	Application Number	Registration Date	Registration Number
USA	TM	FARADAY FUTURE	12	Pending	7/28/2020	90077340		

Copyrights

None.

License Agreements

1. Termination Agreement, dated as of April 2019, by and between City of Sky Limited and FF Europe GmbH.
2. Termination Agreement dated as of July 22, 2019, by and between City of Sky Limited and Faraday&Future Inc.
3. Termination Agreement, dated as of July 22, 2019, by and between City of Sky Limited, LeSee Automotive (Zhejiang) Co., Ltd. and Faraday&Future Inc.
4. Assignment and Assumption Agreement, dated September 24, 2020, by and between LeSee Auto Technology (Beijing) Co., Ltd. (f/k/a FF Internet & Intelligent EV. Co., Ltd.) and FF Automotive (China) Co., Ltd.
5. Assignment and Assumption Agreement, dated September 24, 2020, by and between LeSEE Auto Technology (Beijing) Co., Ltd (f/k/a FF Internet & Intelligent EV. Co., Ltd.) and FF Automotive (China) Co. Ltd.

PATENT

REEL: 060314 FRAME: 0343

RECORDED: 06/08/2022