

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KITTY HAWK CORPORATION	09/12/2019

RECEIVING PARTY DATA

Name:	CORA AERO LLC
Street Address:	2700 BRODERICK WAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 107

Property Type	Number
Patent Number:	D843919
Application Number:	29673458
Patent Number:	D843306
Application Number:	29673461
Application Number:	29640184
Patent Number:	D678169
Patent Number:	D706705
Patent Number:	10370099
Application Number:	16441642
Patent Number:	10364024
Application Number:	16444303
Application Number:	15717716
Application Number:	62401032
Application Number:	15286952
Application Number:	62372449
Application Number:	15863592
Patent Number:	9898033
Patent Number:	9941542
Application Number:	62395594
Application Number:	15908556

PATENT

Property Type	Number
Patent Number:	10036654
Application Number:	16004224
Application Number:	15398300
Patent Number:	9783288
Patent Number:	10176905
Application Number:	16209797
Patent Number:	9764833
Patent Number:	10150560
Patent Number:	10364036
Application Number:	16444449
Patent Number:	10274543
Application Number:	16287882
Application Number:	15398325
Application Number:	15398344
Application Number:	15471965
Application Number:	15471971
Application Number:	15484501
Patent Number:	9966631
Application Number:	15945955
Patent Number:	10011348
Patent Number:	10160534
Patent Number:	10259563
Application Number:	16282186
Patent Number:	10177424
Application Number:	16201832
Application Number:	15630641
Patent Number:	10179642
Application Number:	16210274
Patent Number:	10122227
Application Number:	15660074
Application Number:	15893383
Application Number:	16528138
Application Number:	15893401
Patent Number:	9932108
Application Number:	15675168
Application Number:	15693283
Patent Number:	10355496
Application Number:	16406805

Property Type	Number
Patent Number:	10110033
Patent Number:	10333328
Application Number:	16405218
Application Number:	15870496
Patent Number:	10209137
Application Number:	15799819
Patent Number:	10350960
Application Number:	16425677
Patent Number:	10167076
Application Number:	16202635
Patent Number:	10101719
Patent Number:	10281890
Patent Number:	10120662
Patent Number:	10209969
Application Number:	16013077
Application Number:	16102315
Application Number:	15940703
Application Number:	62641889
Application Number:	16539221
Application Number:	16025841
Application Number:	16438963
Application Number:	62688744
Application Number:	16426353
Application Number:	62688752
Application Number:	16177255
Application Number:	16177257
Application Number:	16408118
Application Number:	16217616
Application Number:	16277812
Application Number:	16353846
Patent Number:	8393564
Application Number:	61365761
Patent Number:	9845150
Application Number:	15811510
Patent Number:	8485464
Application Number:	61509530
Patent Number:	9242738
Application Number:	14975130

Property Type	Number
Patent Number:	8993145
Patent Number:	8602942
Patent Number:	9115774
Patent Number:	9284962
Patent Number:	9540103
Patent Number:	9475232
Application Number:	62085973
Patent Number:	10023054
Application Number:	62117822
Application Number:	16008801
Application Number:	61693172

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 105984-1154768

NAME OF SUBMITTER: TANYA YEE

SIGNATURE: /Tanya Yee/

DATE SIGNED: 09/13/2019

Total Attachments: 18

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CONFIRMATORY PATENT ASSIGNMENT

This CONFIRMATORY PATENT ASSIGNMENT (this “Confirmatory Assignment”), dated as of September 12, 2019, is entered into by and between Kitty Hawk Corporation (formerly known as Zee.Aero Inc.), a Delaware corporation (“Assignor”), and Cora Aero LLC, a Delaware limited liability company (“Assignee”) (each a “Party,” and collectively, the “Parties”).

WHEREAS, the Parties entered into that certain Intellectual Property Assignment Agreement, dated as of June 28, 2019 (the “Assignment”); and

WHEREAS, the Parties desire to confirm that, pursuant to the Assignment, all right, title and interest in and to the issued patents and patent applications set forth in Exhibit A attached hereto (the “Assigned Patents”) has been transferred to and is owned by Assignee.

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged by the Parties, the Parties, intending to be legally bound, hereby agree as follows:

1. Assignment. Effective as of June 28, 2019, Assignor, on behalf of itself and its subsidiaries, did contribute, assign, transfer, convey, and deliver to Assignee its and its subsidiaries’ entire worldwide right, title and interest in, to and under the Assigned Patents, together with any and all goodwill associated with and symbolized by the Assigned Patents, the same to be held and enjoyed by Assignee for its own use and enjoyment and the use and enjoyment of its successors, assigns and other legal representatives as fully and entirely as the same would have been held and enjoyed by Assignor (or any of its subsidiaries, as applicable) if the Assignment had not been made, as assignee of its respective entire right, title and interest therein, including, without limitation, all rights in and to all income, royalties, damages and payments now or hereafter due or payable with respect thereto, all causes of action (whether in law or in equity) with respect thereto, and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under the Assignment.

2. Due Authorization. Assignor hereby authorizes and requests the officials of the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign jurisdiction, to record this Confirmatory Assignment and record Assignee as assignee and owner of the entire right, title and interest in, to and under the Assigned Patents.

3. Governing Law. This Confirmatory Assignment and all disputes arising out of or relating to this Confirmatory Assignment shall be governed by, and construed in accordance with, the laws of the State of Delaware applicable to contracts made and performed entirely within the State of Delaware without giving effect to any laws or principles of conflicts of laws of such state that would cause the laws of any other jurisdiction to apply.

4. Counterparts. For the convenience of the Parties, this Confirmatory Assignment may be executed in any number of counterparts, each such counterpart being

deemed to be an original instrument, and all such counterparts shall together constitute one agreement.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have caused this Confirmatory Assignment to be duly executed as of the date first above written.

Kitty Hawk Corporation

DocuSigned by:

By: Molly Abraham

Name: Molly Abraham

Title: General Counsel

Cora Aero LLC

DocuSigned by:

By: Greg Bibbes

Name: Greg Bibbes

Title: General Counsel

EXHIBIT A**PATENTS**

Country	Application No.	Filed Date	Publication No.	Publication Date	Patent No.	Granted Date	Title
United States of America	29/640,150	2018-03-12			D843919	2019-03-26	AIRCRAFT
United States of America	29/673,458	2018-12-14					AIRCRAFT
China	201830440632.9	2018-08-10			ZL201830440632.9	2019-03-08	AIRCRAFT
European	005518826	2018-07-30			005518826-0001&005518826-0002	2018-07-30	AIRCRAFT
New Zealand	424812	2018-08-08			424812	2019-04-04	AIRCRAFT
United States of America	29/640,152	2018-03-12			D843306	2019-03-19	AIRCRAFT
United States of America	29/673,461	2018-12-14					AIRCRAFT
European	005518867	2018-07-30			005518867-0001&005518867-0002	2018-07-30	AIRCRAFT
New Zealand	424813	2018-08-08			424813	2019-04-04	AIRCRAFT
United States of America	29/640,184	2018-03-12					AIRCRAFT COCKPIT DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER EXPERIENCE
United States of America	29/402,034	2011-09-19			D678,169	2013-03-19	AIRCRAFT
Australia	201211377	2012-03-16			342131	2012-04-27	AIRCRAFT
Canada	144913	2012-03-16			144913	2012-10-12	AIRCRAFT
China	201230068486.4	2012-03-19			ZL201230068486.4	2013-03-06	AIRCRAFT
European Union	002011171-0001	2012-03-19			002011171-0001	2012-05-03	AIRCRAFT
India	243948	2012-03-19			243948	2012-12-14	AIRCRAFT
Japan	D2012-6180	2012-03-19			D1450546	2012-08-10	AIRCRAFT
Republic of Korea	30-2012-0012638	2012-03-16			30-0697558	2013-06-12	AIRCRAFT
New Zealand	416010	2012-03-16			416010	2012-05-05	AIRCRAFT
Taiwan	101301484	2012-03-19			D151298	2013-01-11	AIRCRAFT
United States of America	29/408,886	2011-12-17			D706,705	2014-06-10	ROTOR BLADE
United States of America	15/297,029	2016-10-18	20190202546	2019-07-04	10,370,099	2019-08-06	ONLINE OPTIMIZATION-BASED FLIGHT CONTROL SYSTEM

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United States of America	16/441,642	2019-06-14					ONLINE OPTIMIZATION-BASED FLIGHT CONTROL SYSTEM
United States of America	15/297,030	2016-10-18	20180105267	2018-04-19	10,364,024	2019-07-30	MULTICOPTER WITH ANGLED ROTORS
Australia	2017346502	2017-10-16					MULTICOPTER WITH ANGLED ROTORS
United States of America	16/444,303	2019-06-18					MULTICOPTER WITH ANGLED ROTORS
China	201780063710.0	2017-10-16	109843715	2019-06-04			MULTICOPTER WITH ANGLED ROTORS
European	17862880.6	2017-10-16	3529149	2019-08-28			MULTICOPTER WITH ANGLED ROTORS
New Zealand	752614	2017-10-16					MULTICOPTER WITH ANGLED ROTORS
Patent Cooperation Treaty	PCT/US17/56817	2017-10-16	WO/2018/075412	2018-04-26			MULTICOPTER WITH ANGLED ROTORS
United States of America	15/717,716	2017-09-27	20180086448	2018-03-29			TILT-WING AIRCRAFT
United States of America	62/401,032	2016-09-28					TILT-WING AIRCRAFT
Patent Cooperation Treaty	PCT/US17/53796	2017-09-27	WO/2018/064209	2018-04-05			TILT-WING AIRCRAFT
United States of America	15/286,952	2016-10-06	20180048036	2018-02-15			BATTERY WITH COMPRESSION AND PREVENTION OF THERMAL RUNAWAY PROPAGATION FEATURES
United States of America	62/372,449	2016-08-09					KITE SUBMODULE
China	201780048522.0	2017-03-28	109564994	2019-04-02			BATTERY WITH COMPRESSION AND PREVENTION OF THERMAL RUNAWAY PROPAGATION FEATURES
European	17839952.3	2017-03-28	3497731	2019-06-19			BATTERY WITH COMPRESSION AND PREVENTION OF THERMAL RUNAWAY PROPAGATION FEATURES
New Zealand	750395	2017-03-28					BATTERY WITH COMPRESSION AND PREVENTION OF THERMAL RUNAWAY PROPAGATION FEATURES

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Patent Cooperation Treaty	PCT/US17/24458	2017-03-28	WO/2018/031077	2018-02-15			BATTERY WITH COMPRESSION AND PREVENTION OF THERMAL RUNAWAY PROPAGATION FEATURES
United States of America	15/372,900	2016-12-08			9,898,033	2018-02-20	MAGNETIC SPRING INCEPTOR
United States of America	15/863,592	2018-01-05	20180181161	2018-06-28			MAGNETIC SPRING INCEPTOR
China	201780081519.9	2017-11-07	110121691	2019-08-13			MAGNETIC SPRING INCEPTOR
European	17878345.2	2017-11-07					MAGNETIC SPRING INCEPTOR
Patent Cooperation Treaty	PCT/US17/60338	2017-11-07	WO/2018/106384	2018-06-14			MAGNETIC SPRING INCEPTOR
United States of America	15/471,947	2017-03-28	20180083306	2018-03-22	9,941,542	2018-04-10	BATTERY ASSEMBLY TECHNIQUES
United States of America	62/395,594	2016-09-16					BATTERY SUBMODULE AND ASSEMBLY TECHNIQUES
United States of America	15/908,556	2018-02-28	20180191020	2018-07-05			BATTERY ASSEMBLY TECHNIQUES
China	201780056740.9	2017-03-28	109690822	2019-04-26			BATTERY ASSEMBLY TECHNIQUES
European	17851206.7	2017-03-28	3513445	2019-07-24			BATTERY ASSEMBLY TECHNIQUES
Patent Cooperation Treaty	PCT/US17/24585	2017-03-28	WO/2018/052486	2018-03-22			BATTERY ASSEMBLY TECHNIQUES
United States of America	15/421,038	2017-01-31	20180216964	2018-08-02	10,036,654	2018-07-31	FAULT TOLERANT SERVO SENSOR WITH LINEAR HALL SENSORS AND DISCRETE HALL SENSORS
United States of America	16/004,224	2018-06-08	20180292234	2018-10-11			FAULT TOLERANT SERVO SENSOR WITH LINEAR HALL SENSORS AND DISCRETE HALL SENSORS
China	201780084807.X	2017-02-01					FAULT TOLERANT SERVO SENSOR WITH LINEAR HALL SENSORS AND DISCRETE HALL SENSORS
European	17895244.6	2017-02-01					FAULT TOLERANT SERVO SENSOR WITH LINEAR HALL SENSORS AND DISCRETE HALL SENSORS

EXHIBIT A

New Zealand	755102	2017-02-01					FAULT TOLERANT SERVO SENSOR WITH LINEAR HALL SENSORS AND DISCRETE HALL SENSORS
Patent Cooperation Treaty	PCT/US17/15966	2017-02-01	WO/2018/143973	2018-08-09			FAULT TOLERANT SERVO SENSOR WITH LINEAR HALL SENSORS AND DISCRETE HALL SENSORS
United States of America	15/398,300	2017-01-04	20180190417	2018-07-05			ARRAY OF THREE POLE MAGNETS
China	201780075066.9	2017-11-16					ARRAY OF THREE POLE MAGNETS
European	17889541.3	2017-11-16					ARRAY OF THREE POLE MAGNETS
New Zealand	753663	2017-11-16					ARRAY OF THREE POLE MAGNETS
Patent Cooperation Treaty	PCT/US17/62084	2017-11-16	WO/2018/128715	2018-07-12			ARRAY OF THREE POLE MAGNETS
United States of America	15/372,125	2016-12-07			9,783,288	2017-10-10	LIFT FAN POSITION LOCK MECHANISM
China	201780085648.5	2017-11-07					LIFT FAN POSITION LOCK MECHANISM
European	17879460.8	2017-11-07					LIFT FAN POSITION LOCK MECHANISM
New Zealand	753969	2017-11-07					LIFT FAN POSITION LOCK MECHANISM
Patent Cooperation Treaty	PCT/US17/60335	2017-11-07	WO/2018/106382	2018-06-14			LIFT FAN POSITION LOCK MECHANISM
United States of America	15/372,920	2016-12-08	20180166183	2018-06-14	10,176,905	2019-01-08	ELECTRICALLY CONDUCTIVE AND INSULATIVE COMPOSITE
United States of America	16/209,797	2018-12-04	20190108928	2019-04-11			ELECTRICALLY CONDUCTIVE AND INSULATIVE COMPOSITE
China	201780075061.6	2017-11-07	110024052	2019-07-16			ELECTRICALLY CONDUCTIVE AND INSULATIVE COMPOSITE
European	17878792.5	2017-11-07					ELECTRICALLY CONDUCTIVE AND INSULATIVE COMPOSITE
Patent Cooperation Treaty	PCT/US17/60337	2017-11-07	WO/2018/106383	2018-06-14			ELECTRICALLY CONDUCTIVE AND INSULATIVE COMPOSITE
United States of America	15/297,033	2016-10-18			9,764,833	2017-09-19	VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT
Australia	2017346503	2017-10-16					VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT

EXHIBIT A

United States of America	15/682,126	2017-08-21	20180105268	2018-04-19	10,150,560	2018-12-11	VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT
China	201780077564.7	2017-10-16	110035954	2019-07-19			VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT
European	17862058.9	2017-10-16	3529150	2019-08-28			VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT
New Zealand	752581	2017-10-16					VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT
Patent Cooperation Treaty	PCT/US17/56818	2017-10-16	WO/2018/075413	2018-04-26			VENTILATED ROTOR MOUNTING BOOM FOR PERSONAL AIRCRAFT
United States of America	15/297,035	2016-10-18	20180105279	2018-04-19	10,364,036	2019-07-30	MULTICOPTER WITH BOOM-MOUNTED ROTORS
United States of America	16/444,449	2019-06-18					MULTICOPTER WITH BOOM-MOUNTED ROTORS
Patent Cooperation Treaty	PCT/US17/56819	2017-10-16	WO/2018/075414	2018-04-26			MULTICOPTER WITH BOOM-MOUNTED ROTORS
United States of America	15/400,488	2017-01-06	20180198174	2018-07-12	10,274,543	2019-04-30	CELL MATCHING ACROSS MULTIPLE CHARACTERISTICS DURING BATTERY ASSEMBLY
United States of America	16/287,882	2019-02-27	20190195954	2019-06-27			CELL MATCHING ACROSS MULTIPLE CHARACTERISTICS DURING BATTERY ASSEMBLY
China	201780075856.7	2017-01-09	110062979	2019-07-26			CELL MATCHING ACROSS MULTIPLE CHARACTERISTICS DURING BATTERY ASSEMBLY
New Zealand	753964	2017-01-09					CELL MATCHING ACROSS MULTIPLE CHARACTERISTICS DURING BATTERY ASSEMBLY
Patent Cooperation Treaty	PCT/US17/12673	2017-01-09	WO/2018/128626	2018-07-12			CELL MATCHING ACROSS MULTIPLE CHARACTERISTICS DURING BATTERY ASSEMBLY
United States of America	15/398,325	2017-01-04					METHOD OF MAKING A THREE POLE MAGNET
United States of America	15/398,344	2017-01-04	20180191215	2018-07-05			METHOD OF ROTOR PRODUCTION INCLUDING CO-CURING AND MAGNETIZATION

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							IN PLACE
China	201780075040.4	2017-11-16					METHOD OF ROTOR PRODUCTION INCLUDING CO-CURING AND MAGNETIZATION IN PLACE
European	17889616.3	2017-11-16					METHOD OF ROTOR PRODUCTION INCLUDING CO-CURING AND MAGNETIZATION IN PLACE
New Zealand	753383	2017-11-16					METHOD OF ROTOR PRODUCTION INCLUDING CO-CURING AND MAGNETIZATION IN PLACE
Patent Cooperation Treaty	PCT/US17/62087	2017-11-16	WO/2018/128716	2018-07-12			METHOD OF ROTOR PRODUCTION INCLUDING CO-CURING AND MAGNETIZATION IN PLACE
United States of America	15/471,965	2017-03-28	20180287234	2018-10-04			INTEGRATED COOLING AND VENTING SYSTEM FOR AN AIRPLANE
United States of America	15/471,971	2017-03-28	20180287398	2018-10-04			REDUNDANT ELECTRIC POWER ARCHITECTURE
United States of America	15/484,501	2017-04-11	20180294482	2018-10-11			MIXED BINDERS
United States of America	15/659,942	2017-07-26			9,966,631	2018-05-08	GENERATION OF WRINKLE-FREE SILICON MONOXIDE ELECTRODES USING SEPARATE PREFORMATION AND FORMATION
United States of America	15/945,955	2018-04-05	20190036166	2019-01-31			GENERATION OF WRINKLE-FREE SILICON MONOXIDE ELECTRODES USING SEPARATE PREFORMATION AND FORMATION
United States of America	15/584,916	2017-05-02			10,011,348	2018-07-03	VERTICAL THRUST LEVER
United States of America	15/986,596	2018-05-22	20180319482	2018-11-08	10,160,534	2018-12-25	VERTICAL THRUST LEVER
United States of America	15/599,986	2017-05-19	20180334241	2018-11-22	10,259,563	2019-04-16	COMBINED FAN AND MOTOR

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United States of America	16/282,186	2019-02-21	20190185140	2019-06-20			COMBINED FAN AND MOTOR
Patent Cooperation Treaty	PCT/US18/24371	2018-03-26	WO/2018/212831	2018-11-22			COMBINED FAN AND MOTOR
United States of America	15/675,633	2017-08-11			10,177,424	2019-01-08	AIRCRAFT HYBRID COOLING SYSTEM
United States of America	16/201,832	2018-11-27	20190097282	2019-03-28			AIRCRAFT HYBRID COOLING SYSTEM
United States of America	15/630,641	2017-06-22					CO-CURING PORTAL IN A MOLDED PART
United States of America	15/629,580	2017-06-21	20180370613	2018-12-27	10,179,642	2019-01-15	COMPOSITE STRUCTURE WITH INTEGRATED HINGE
United States of America	16/210,274	2018-12-05	20190106196	2019-04-11			COMPOSITE STRUCTURE WITH INTEGRATED HINGE
Patent Cooperation Treaty	PCT/US17/38818	2017-06-22	WO/2018/236383	2018-12-27			COMPOSITE STRUCTURE WITH INTEGRATED HINGE
United States of America	15/627,800	2017-06-20			10,122,227	2018-11-06	SKEWED HALBACH ARRAY ROTOR
Patent Cooperation Treaty	PCT/US17/38595	2017-06-21	WO/2018/236371	2018-12-27			SKEWED HALBACH ARRAY ROTOR
United States of America	15/660,074	2017-07-26					GENERATION OF WRINKLE-FREE SILICON MONOXIDE ELECTRODES USING COMBINED PREFORMATION AND FORMATION
United States of America	15/893,383	2018-02-09					MODULAR MOTOR ASSEMBLY
United States of America	16/528,138	2019-07-31					MODULAR MOTOR ASSEMBLY
United States of America	15/893,401	2018-02-09					COOLING MOTOR CONTROLLER WITH A MOTOR WITH DUCT
United States of America	15/701,228	2017-09-11			9,932,108	2018-04-03	FLEXIBLE AND ROBUST COMMUNICATION INTERFACE
United States of America	15/675,168	2017-08-11	20190051881	2019-02-14			SERIES BATTERIES TO REDUCE AN INTERFERING MAGNETIC FIELD
United States of America	15/693,283	2017-08-31	20190061901	2019-02-28			CONDUCTOR IN COMPOSITE
Patent Cooperation Treaty	PCT/US18/38723	2018-06-21	WO/2019/045849	2019-03-07			CONDUCTOR IN COMPOSITE

EXHIBIT A

United States of America	16/046,312	2018-07-26			10,355,496	2019-07-16	INTER-MODULE BATTERY BALANCING USING MINIMUM CELL VOLTAGES TO SELECT BATTERY SUB-MODULES TO POWER LOADS
United States of America	16/406,805	2019-05-08					INTER-MODULE BATTERY BALANCING USING VOLTAGES TO SELECT BATTERY SUB-MODULES TO POWER LOADS
Patent Cooperation Treaty	PCT/US19/28715	2019-04-23					INTER-MODULE BATTERY BALANCING USING MINIMUM CELL VOLTAGES TO SELECT BATTERY SUB-MODULES TO POWER LOADS
United States of America	15/885,303	2018-01-31			10,110,033	2018-10-23	MULTI-BATTERY CHARGING STATION WHICH SELECTIVELY CONNECTS BATTERY SUB-MODULES TO A COMMON POWER BUS FOR CHARGING
United States of America	16/135,851	2018-09-19			10,333,328	2019-06-25	MULTI-BATTERY CHARGING STATION WHICH SELECTIVELY CONNECTS BATTERY SUB-MODULES TO A COMMON POWER BUS FOR CHARGING
United States of America	16/405,218	2019-05-07	20190260216	2019-08-22			MULTI-BATTERY CHARGING STATION WHICH SELECTIVELY CONNECTS BATTERY SUB-MODULES TO A COMMON POWER BUS FOR CHARGING
United States of America	15/870,496	2018-01-12					ESTIMATION OF SELF DISCHARGE RATE AS A MEASURE OF BATTERY HEALTH
United States of America	15/853,387	2017-12-22			10,209,137	2019-02-19	MEASURING TEMPERATURE IN AN ELECTRIC MOTOR
United States of America	15/799,819	2017-10-31					COMPOSITE AIRFOIL WITH ROLLED FIBERGLASS REINFORCED LEADING EDGE

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United States of America	15/838,779	2017-12-12			10,350,960	2019-07-16	COUPLED BATTERY AND MOTOR CONTROLLER THERMAL MANAGEMENT SYSTEM
United States of America	16/425,677	2019-05-29					COUPLED BATTERY AND MOTOR CONTROLLER THERMAL MANAGEMENT SYSTEM
United States of America	15/838,784	2017-12-12			10,167,076	2019-01-01	CORRUGATED LIFT FAN ROTOR
United States of America	16/202,635	2018-11-28	20190176964	2019-06-13			CORRUGATED LIFT FAN ROTOR
Patent Cooperation Treaty	PCT/US18/63453	2018-11-30	WO/2019/118212	2019-06-20			CORRUGATED LIFT FAN ROTOR
United States of America	15/838,790	2017-12-12			10,101,719	2018-10-16	AIRCRAFT CONTROL SYSTEM BASED ON SPARSE SET OF SIMULATION DATA
United States of America	16/126,062	2018-09-10			10,281,890	2019-05-07	AIRCRAFT CONTROL SYSTEM BASED ON SPARSE SET OF SIMULATION DATA
United States of America	15/908,573	2018-02-28			10,120,662	2018-11-06	PROTOCOL COMPILER TO GENERATE FLIGHT CODE AND ROUTING TABLES
United States of America	16/052,534	2018-08-01			10,209,969	2019-02-19	PROTOCOL COMPILER TO GENERATE FLIGHT CODE AND ROUTING TABLES
United States of America	16/013,077	2018-06-20					NON-INVASIVE RUBBING DETECTION FOR MOTORS
United States of America	16/102,315	2018-08-13					CAPACITANCE REDUCTION IN BATTERY SYSTEMS
China	-	2018-09-04	-	-	-	-	CAPACITANCE REDUCTION IN BATTERY SYSTEMS
Patent Cooperation Treaty	PCT/US18/49375	2018-09-04					CAPACITANCE REDUCTION IN BATTERY SYSTEMS
United States of America	15/940,703	2018-03-29					AIRCRAFT COCKPIT DISPLAY AND INTERFACE
United States of America	62/641,889	2018-03-12					AIRCRAFT COCKPIT DISPLAY AND INTERFACE
United States of America	16/539,221	2019-08-13					AIRCRAFT COCKPIT DISPLAY AND INTERFACE

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United States of America	16/025,841	2018-07-02					ULTRASONIC WELD QUALITY TESTING USING AUDIO
United States of America	16/438,963	2019-06-12					CAPACITANCE REDUCING BATTERY SUBMODULE WITH THERMAL RUNAWAY PROPAGATION PREVENTION AND CONTAINMENT FEATURES
United States of America	62/688,744	2018-06-22					BATTERY SUBMODULE WITH IMPROVED RELIABILITY AND PERFORMANCE
Patent Cooperation Treaty	PCT/US19/36936	2019-06-13					CAPACITANCE REDUCING BATTERY SUBMODULE WITH THERMAL RUNAWAY PROPAGATION PREVENTION AND CONTAINMENT FEATURES
United States of America	16/426,353	2019-05-30					BATTERY SUBMODULE ASSEMBLY FIXTURE WITH MULTIPLE ACTUATORS
United States of America	62/688,752	2018-06-22					BATTERY SUBMODULE ASSEMBLY FIXTURE WITH MULTIPLE ACTUATORS
United States of America	16/177,255	2018-10-31					BATTERY DIODE FAULT MONITORING
United States of America	16/177,257	2018-10-31					GROUND NETWORK MONITORING SYSTEM
United States of America	16/408,118	2019-05-09					SECURED LINES FOR BALLISTIC RECOVERY SYSTEM
United States of America	16/217,616	2018-12-12					BATTERY WITH LIQUID TEMPERATURE CONTROLLING SYSTEM
United States of America	16/277,812	2019-02-15					DESIRED DEPARTURE TEMPERATURE FOR A BATTERY IN A VEHICLE
Patent Cooperation Treaty	PCT/US19/18896	2019-02-21					DESIRED DEPARTURE TEMPERATURE FOR A BATTERY IN A VEHICLE

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United States of America	16/353,846	2019-03-14					LOCK WITH SINGLE-SIDED AUTOMATIC LOCKING
United States of America	13/229,717	2011-09-10			8,393,564	2013-03-12	PERSONAL AIRCRAFT
United States of America	61/365,761	2010-07-19					COMPACT VTOL AIRCRAFT CONFIGURATION CAPABLE OF SAFE OPERATIONS AND ROBUST CONTROL
Australia	2011282250	2011-07-19			2011282250	2013-11-21	PERSONAL AIRCRAFT
United States of America	13/764,697	2013-02-11			9,845,150	2017-12-19	PERSONAL AIRCRAFT
United States of America	15/811,510	2017-11-13	2018005737	2018-03-08			PERSONAL AIRCRAFT
Canada	2801651	2011-07-19			2801651	2015-11-10	PERSONAL AIRCRAFT
China	201180042776.4	2011-07-19			ZL201180042776.4	2016-03-30	PERSONAL AIRCRAFT
Germany	11810313.4	2011-07-19			602011027338.8	2016-06-08	PERSONAL AIRCRAFT
European	11810313.4	2011-07-19			2595882	2016-06-08	PERSONAL AIRCRAFT
France	11810313.4	2011-07-19			2595882	2016-06-08	PERSONAL AIRCRAFT
United Kingdom	11810313.4	2011-07-19			2595882	2016-06-08	PERSONAL AIRCRAFT
Israel	224219	2011-07-19			224219	2016-10-01	PERSONAL AIRCRAFT
Japan	2013-520824	2011-07-19			5421503	2013-11-29	PERSONAL AIRCRAFT
New Zealand	607121	2011-07-19			607121	2015-05-28	PERSONAL AIRCRAFT
Patent Cooperation Treaty	PCT/US11/44591	2011-07-19	WO/2012/012474	2012-01-26			PERSONAL AIRCRAFT
United States of America	13/553,438	2012-07-19			8,485,464	2013-07-16	PERSONAL AIRCRAFT
United States of America	61/509,530	2011-07-19					PERSONAL AIRCRAFT
Australia	2012283923	2012-07-19			2012283923	2014-07-10	PERSONAL AIRCRAFT
Australia	2014202607	2012-07-19			2014202607	2016-08-25	PERSONAL AIRCRAFT
United States of America	13/931,954	2013-06-30			9,242,738	2016-01-26	PERSONAL AIRCRAFT
United States of America	14/975,130	2015-12-08					PERSONAL AIRCRAFT
Canada	2841315	2012-07-19			2841315	2015-09-22	PERSONAL AIRCRAFT
China	201280045400.3	2012-07-19			ZL201280045400.3	2016-07-06	PERSONAL AIRCRAFT
Israel	230343	2012-07-19			230343	2014-08-29	PERSONAL AIRCRAFT

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Japan	2014-521800	2012-07-19			5676824	2015-01-09	PERSONAL AIRCRAFT
Republic of Korea	10-2014-7003769	2012-07-19			10-1502290	2015-03-06	PERSONAL AIRCRAFT
New Zealand	621370	2012-07-19			621370	2016-02-02	PERSONAL AIRCRAFT
Patent Cooperation Treaty	PCT/US12/47467	2012-07-19	WO/2013/013084	2013-01-24			PERSONAL AIRCRAFT
Taiwan	101125915	2012-07-18			1538852	2016-06-21	PERSONAL AIRCRAFT
United States of America	13/236,495	2011-09-19			8,993,145	2015-03-31	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Australia	2012202527	2012-05-01			2012202527	2012-12-20	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Australia	2012313396	2012-03-28			2012313396	2015-07-09	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Canada	2849709	2012-03-28			2849709	2015-08-04	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Germany	12833056	2012-03-28			60 2012 027 528.6	2017-01-04	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
European	12833056	2012-03-28			2759019	2017-01-04	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
France	12833056.0	2012-03-28			2759019	2017-01-04	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
United Kingdom	12833056	2012-03-28			2759019	2017-01-04	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Israel	231534	2012-03-28			231534	2015-12-25	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY

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Japan	2014-530657	2012-03-28			5624254	2014-10-03	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Japan	2014-195644	2012-11-14			5881794	2016-02-12	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Republic of Korea	10-2014-7009822	2012-03-28			10-1518189	2015-04-29	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
New Zealand	622380	2012-03-28			622380	2015-11-03	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Patent Cooperation Treaty	PCT/US12/30920	2012-03-28	WO/2013/043229	2013-03-28			PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Taiwan	101134346	2012-09-19			1472085	2015-02-01	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
Taiwan	103138457	2012-09-19			1535092	2016-05-21	PREVENTING CELL THERMAL RUNAWAY PROPAGATION WITHIN A BATTERY
United States of America	13/298,154	2011-11-16			8,602,942	2013-12-10	CENTRIFUGAL DE-CLUTCH
Australia	2012339688	2012-11-14			2012339688	2015-05-07	CENTRIFUGAL DE-CLUTCH
United States of America	14/070,820	2013-11-04			9,115,774	2015-08-25	CENTRIFUGAL DE-CLUTCH
Canada	2837668	2012-11-14			2837668	2015-07-28	CENTRIFUGAL DE-CLUTCH
China	201280036467	2012-11-14			ZL201280036467.0	2015-12-02	CENTRIFUGAL DE-CLUTCH
Israel	230344	2012-11-14			230344	2014-12-31	CENTRIFUGAL DE-CLUTCH
Israel	234536	2012-11-14			234536	2016-10-01	CENTRIFUGAL DE-CLUTCH
Japan	2014-530010	2012-11-14			5723073	2015-04-03	CENTRIFUGAL DE-CLUTCH
Republic of Korea	10-2014-7004539	2012-11-14			10-1441281	2014-08-05	CENTRIFUGAL DE-CLUTCH
New Zealand	619855	2012-11-14			619855	2016-03-30	CENTRIFUGAL DE-CLUTCH
New Zealand	704805	2012-11-14			704805	2016-05-03	CENTRIFUGAL DE-CLUTCH

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Patent Cooperation Treaty	PCT/US12/64978	2012-11-14	WO/2013/074603	2013-05-23			CENTRIFUGAL DE-CLUTCH
United States of America	13/804,527	2013-03-14			9,284,962	2016-03-15	VARIABLE GEOMETRY LIFT FAN MECHANISM
United States of America	61/693,172	2012-08-24					VARIABLE GEOMETRY LIFT FAN MECHANISM
Canada	2,882,258	2013-08-23			2,882,258	2017-10-10	VARIABLE GEOMETRY LIFT FAN MECHANISM
New Zealand	629367	2013-08-23			629367	2016-07-01	VARIABLE GEOMETRY LIFT FAN MECHANISM
Patent Cooperation Treaty	PCT/US13/56527	2013-08-23	WO/2014/032032	2014-02-27			VARIABLE GEOMETRY LIFT FAN MECHANISM
United States of America	14/313,680	2014-06-24			9,540,103	2017-01-10	PASSIVE DEPLOYMENT MECHANISM FOR LIFT FAN
United States of America	14/795,540	2015-07-09			9,475,232	2016-10-25	DAMPING AND ISOLATING VIBRATION DURING ULTRASONIC WELDING
United States of America	62/085,973	2014-12-01					DAMPING AND ISOLATING VIBRATION DURING ULTRASONIC WELDING
United States of America	15/046,197	2016-02-17			10,023,054	2018-07-17	ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
United States of America	62/117,822	2015-02-18					ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
United States of America	16/008,801	2018-06-14	20180290544	2018-10-11			ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
China	201680006196.2	2016-02-17	107251354	2017-10-13			ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
European	16752017.0	2016-02-17	3259152	2017-12-27			ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
New Zealand	732362	2016-02-17			732362	2019-07-30	ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
New Zealand	744394	2016-02-17					ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM
Patent Cooperation Treaty	PCT/IB16/50862	2016-02-17	WO/2016/132309	2016-08-25			ELECTRIC VEHICLE POWER DISTRIBUTION SYSTEM

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