

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BELL HELICOPTER TEXTRON INC.	01/10/2019
RECEIVING PARTY DATA	
Name:	TEXTRON INNOVATIONS INC.
Street Address:	40 WESTMINSTER STREET
City:	PROVIDENCE
State/Country:	RHODE ISLAND
Postal Code:	02903
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16526909
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	Lawrence@YoustPLLC.com
Correspondent Name:	LAWRENCE R. YOUST
Address Line 1:	2200 VICTORY AVENUE, SUITE 2604
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ATTORNEY DOCKET NUMBER:	IN009-18 C1
NAME OF SUBMITTER:	LAWRENCE R. YOUST
SIGNATURE:	/Lawrence R. Youst/
DATE SIGNED:	11/05/2019
Total Attachments: 19	
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ASSIGNMENT

WHEREAS, Bell Helicopter Textron Inc., a Delaware corporation (the "Company"), is the owner of all right, title, and interest in and to the intellectual property described herein;

WHEREAS, Company desires to transfer all of its right, title, and interest in and to such intellectual property to Bell Helicopter Rhode Island Inc., a Delaware corporation ("Bell Helicopter Rhode Island");

WHEREAS, Bell Helicopter Rhode Island desires to transfer all of its right, title, and interest in such intellectual property so acquired to Textron Innovations Inc., a Delaware corporation having a principal place of business at 40 Westminster Street, Providence, Rhode Island 02903 ("Innovations");

WHEREAS, Bell Helicopter Rhode Island has been organized for the purpose of facilitating Company's investment in Innovations, which manages certain domestic intellectual property for the Textron group of affiliates;

WHEREAS, all transfers of intellectual property pursuant to this Assignment are intended to be transfers pursuant to Section 351 of the Internal Revenue Code of 1986, as amended (hereinafter, the "Code");

NOW, THEREFORE, to whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby mutually acknowledged:

1. THE ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS BY COMPANY TO BELL HELICOPTER RHODE ISLAND

Company has assigned, and transferred, and by these presents, Company hereby does assign, transfer, and deliver to Bell Helicopter Rhode Island, its successors, assigns, and legal representatives the whole of any and whatever right, title, and interest Company may have in and to: (i) the inventions described in the United States and foreign counterpart patents and patent applications listed in Exhibit A, and any continuations, continuations-in-part and divisionals of such patent applications or patents, and all foreign counterparts, and reissues, reexaminations, and extensions thereof as fully and entirely as the same would have been held by Company had this assignment not been made including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting from said inventions; and (ii) the following intellectual property created or acquired by Company on or after January 1, 2018 and up to December 31, 2018: (a) all of Company's works of authorship, copyrightable works and those works to which Company owns any of the rights stated in Section 106 of the 1976 Copyright Act, Title 17, U.S. Code, including specifically, but not limited to, all copyrighted materials, including software, used or useful in the business conducted by Company, including, but not limited to, all rights of copyright anywhere in the world, and any registrations and copyright applications relating thereto and any renewals and extensions thereof, and in and to all works based upon, derived from, or incorporating the works covered by such copyrights, and in and to all causes of action for past infringement based upon said copyrights, and in and to all rights corresponding to the foregoing throughout the world; (b) all know-how, trade secrets, or confidential information used or useful in the business conducted by Company, including all software and all technical data, trade secrets, algorithms, formulae, procedures, protocols, rules of thumb, techniques and results of experimentation and testing, and all information contained in any patent application; and (c) any and all other intellectual property rights in materials or information

used or useful in the business conducted by Company, but excluding any rights that may exist in any trade names, trademarks, or service marks or other designations of origin (hereinafter, all of the intellectual property listed in (i) and (ii) above, shall be referred to as the "Intellectual Property"). The assignment of intellectual property pursuant to 1.(ii)(a) above, shall be effective as of the date that the intellectual property referenced therein was first affixed to tangible media. All other interests assigned pursuant to this assignment shall be effective as of the execution date of this assignment.

Notwithstanding anything to the contrary herein, Company retains the whole of any and all Intellectual Property listed in Exhibit B

2. THE ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS BY BELL HELICOPTER RHODE ISLAND TO INNOVATIONS

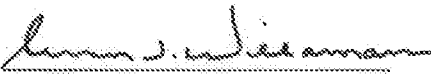
Bell Helicopter Rhode Island has assigned, and transferred, and by these presents, Bell Helicopter Rhode Island hereby does assign, transfer, and deliver to Innovations, its successors, assigns, and legal representatives the whole of any and whatever right, title, and interest Bell Helicopter Rhode Island may have in and to the Intellectual Property.

3. FURTHER ASSURANCES

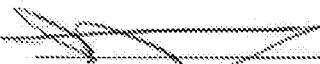
Company and Bell Helicopter Rhode Island hereby further agree, each for itself and its successors, assigns, and legal representatives, to execute upon request any other lawful documents and likewise to perform any other lawful acts that are necessary and useful to secure fully the aforesaid rights, titles, and interests in and to said Intellectual Property to Innovations, its successors, assigns, and legal representatives.

IN WITNESS WHEREOF, the parties have caused this ASSIGNMENT to be duly executed and delivered as of January 10, 2019.

Bell Helicopter Textron Inc.

By: 
Name: Ann T. Willaman
Title: Assistant Secretary

Bell Helicopter Rhode Island Inc.

By: 
Name: James Runstädler
Title: President

Textron Innovations Inc.


By: 
Name: Ann T. Willaman
Title: Vice President and Secretary

Exhibit A

PATENTS AND PATENT APPLICATIONS

2018 Bell Patent Asgmt Schedule

Application Number	Filing Date	Patent Number	Date Issued	Country	Title	Assignee
62/634896	2/25/2018			USA	Hub Mounted Dual Spring Rate Spinning Mass Vibration System-IP1706968	Bell Helicopter
63/638870	3/5/2018			USA	DARPA Whitehorse Whitepaper-TRAN180070717	Bell Helicopter
63/651462	4/2/2018			USA	PE3-011-TRAN180071298	Bell Helicopter
62/658205	4/16/2018			USA	Simplified method and tool to rig MR and TR controls rotor swasiplate and tail rotor-TRAN180072616	Bell Helicopter
62/658205	4/16/2018			USA	Simplified method and tool to rig MR and TR controls rotor swasiplate and tail rotor-TRAN180072616	Bell Helicopter
62/658205	4/16/2018			USA	Swasiplate and tail rotor-TRAN180071774	Bell Helicopter
62/658205	4/16/2018			USA	Dual Use Nut Cage-TRAN180071788	Bell Helicopter
62/696402	7/1/2016			USA	Zinc High Nickel Plating of Rotating Components for Greater Abrasion Resistance-IP1605677	Bell Helicopter
62/698362	7/16/2018			USA	Film Coated Windshield-TRAN180074497	Bell Helicopter
62/723363	8/27/2018			USA	Propulsion Configuration-TRAN180072712	Bell Helicopter
62/750790	10/25/2018			USA	HAVCS Bell Improvements to 3,219,120 patent for Bench testing-TRAN180072594	Bell Helicopter
15/860601	1/2/2018			USA	Vertical Lift Aircraft-IP1605622	Bell Helicopter
15/860601	1/2/2018			USA	VLO Aircraft-IP1707008	Bell Helicopter
15/861827	1/4/2018			USA	Integrated Emergency Egress Rope-IP1706964	Bell Helicopter
18150905 0	1/9/2018			EPC	EPC for ParentSegmented duct for tilting propellers-IPFF1705112	Bell Helicopter
18150906 8	1/9/2018			EPC	EPC for ParentCrowning of a Spline in a Direction Perpendicular to the Tooth Face-IPFF1705071	Bell Helicopter
18151047	1/10/2018			EPC	EPC for ParentAcoustic/Elastomeric Mounts for Isolating Devices and Reducing Noise-IPFF1705115	Bell Helicopter
18151295 5	1/11/2018			EPC	EPC for ParentTilt Rotor Flap Whirl Stability with Hub Shear feedback-IPFF1705111	Bell Helicopter
2,991,829	1/11/2018			Canada	Canada for ParentCrowning of a Spline in a Direction Perpendicular to the Tooth Face-IPFF1705072	Bell Helicopter
201810031695 8	1/12/2018			China	China for ParentCrowning of a Spline in a Direction Perpendicular to the Tooth Face-IPFF1705073	Bell Helicopter
15/870977	1/14/2018			USA	Picture Frame Main Torque Box Rib Installation-IP1706972	Bell Helicopter
15/871002	1/14/2018			USA	Variable Sweep Tip Assembly and Actuator Mechanism for a Helicopter Rotor Blade-IP1102949	Bell Helicopter
15/872651	1/16/2018			USA	USA for ParentHigh Authority Stability and Control Augmentation System (SCAS)-IPFF1819178	Bell Helicopter
15/872706	1/16/2018			USA	USA for ParentMoldable Fly-Away Tool Structure System-IPFF1819177	Bell Helicopter
15/874054	1/16/2018			USA	Continuously Operating Emergency Lube System-IP1707003S	Bell Helicopter
18152626	1/19/2018			EPC	EPC for ParentGearbox hydraulic split torque equalizer-IPFF1819168	Bell Helicopter
15/876298	1/22/2018			USA	P17-008 Power Allocation Systems for Aircraft-IP1706895	Bell Helicopter
15/876420	1/22/2018			USA	Control Method for Preventing Differences Between Rotor Tilt Angles in a Fly-By-Wire Tiltrotor Aircraft-IP1706554	Bell Helicopter
15/877513	1/23/2018			USA	Blockchain Method for Air traffic Control-IP1706880	Bell Helicopter
15/878075	1/23/2018			USA	engine inlet duct for tiltrotor aircraft with selectable barrier filtration to maximize inlet ram recovery performance-IP1706642	Bell Helicopter
15/878301	1/23/2018			USA	Design of Large Cell Carbon Core Sandwich Panel and Manufacturing Process Using Pressurized Thermoplastic Core Volume-IP1706974	Bell Helicopter
15/878329	1/23/2018			USA	Cabin Door-IP1707019	Bell Helicopter

2018 Bell Patent Asgmt Schedule

15/879207	1/24/2018	USA	On-Component Maintenance Tracking to Enable Autonomous Maintenance Planning-IP1706920	Bell Helicopter
15/880216	1/25/2018	USA	A graphical-based method to programming yaw and roll transition controls mixing for hybrid-VTOL aircraft-IP1706874	Bell Helicopter
15/881980	1/29/2018	USA	Hybrid Yoke-IP1706992	Bell Helicopter
15/882287	1/29/2018	USA	Tri-Hybrid Yoke-IP1706994	Bell Helicopter
15/882573	1/29/2018	USA	Multi-Place Inboard Beam-IP1706993	Bell Helicopter
16153924.8	1/29/2018	EPC	EPC for Parents/Systems and Methods of Constructing Composite Assemblies-IPFF1705129	Bell Helicopter
18154237.4	1/30/2018	EPC	EPC for Parent/Tiltrotor Aircraft having Rotary and Non Rotary Flight Modes-IPFF1819162	Bell Helicopter
15/886655	2/1/2018	USA	Emergency Release for Pushout Window Evacuation-IP1707014	Bell Helicopter
18154775.3	2/1/2018	EPC	EPC for Parent/Pitch Link with Track Adjustment Indicators-IPFF1819161	Bell Helicopter
18154777.9	2/1/2018	EPC	EPC for Parent/Rotorcraft Power Demand Anticipation Systems-IPFF1819098	Bell Helicopter
15/887664	2/2/2018	USA	Dual-Concentric Control Valve with Direct Drive Control and Failed Motor Protection-IP1706937	Bell Helicopter
201810105909.1	2/2/2018	China	China for Parent/Go-Around Mode-IPFF1819117	Bell Helicopter
201810110751.7	2/5/2018	China	China for Parent/Rotorcraft Power Demand Anticipation Systems-IPFF1819099	Bell Helicopter
15/890249	2/6/2018	USA	Integral Life Raft, Survival Kit, and Step-IP1606072	Bell Helicopter
18155205.0	2/6/2018	EPC	EPC for Parent/Reverse Tacile Cue for RPM Overspeed Protection-IPFF1704889	Bell Helicopter
18155409.8	2/6/2018	EPC	EPC for Parent/Physical Functional Integration for Fault Isolation-IPFF1819175	Bell Helicopter
20181017377.3	2/6/2018	China	China for Parent/Ax-Stabilization-IPFF1819107	Bell Helicopter
15/891111	2/7/2018	USA	Unique Methods for In Process Compositions of Composite Materials-IP1707015	Bell Helicopter
18155504.6	2/7/2018	EPC	EPC for Parent/IVE Plyon for Sikorsky-Style X2/Advancing Blade Concept High Speed Rotorcraft-IPFF1819153	Bell Helicopter
18155541.8	2/7/2018	EPC	EPC for Parent/Thermoplastic Core-IPFF1819167	Bell Helicopter
18155550.9	2/7/2018	EPC	EPC for Parent/PT17007-IPFF1819165	Bell Helicopter
18155552.5	2/7/2018	EPC	EPC for Parent/V-280 - Patent for Dual Hyd System with Common Reservoir-IPFF1819164	Bell Helicopter
18155634.1	2/7/2018	EPC	EPC for Parent/Control Law to maximize flap/rotor/aileron performance with minimum actuator capability-IPFF1819098	Bell Helicopter
18155896.6	2/8/2018	EPC	EPC for Parent/Integrated Emergency Egress Rope-IPFF1705075	Bell Helicopter
29/638493	2/8/2018	USA	USA for Parent/Proprotor Leading Edge Extension-IPFF1819169	Bell Helicopter
29/636525	2/8/2018	USA	USA for Parent/Proprotor Leading Edge Extension-IPFF1819170	Bell Helicopter
15/892558	2/9/2018	USA	Automation Assist-IP1707031	Bell Helicopter
15/893628	2/10/2018	USA	Remotely Actuated Modular Systems Mount-IP1706971	Bell Helicopter
15/894876	2/12/2018	USA	Automatic Emergency Re-couple using Existing Controls-TRAN180070005	Bell Helicopter
15/894880	2/12/2018	USA	Rotorcraft RPM Indication system for managing rotor droop-TRAN180070010	Bell Helicopter
15/894888	2/12/2018	USA	Improved Fatigue Life Crosstube with Tension Strap-IP1706957	Bell Helicopter
15/895192	2/13/2018	USA	Rudder Twist Lock Mechanism-IP1707017	Bell Helicopter
15/895619	2/13/2018	USA	Large Volume Imbedded Fuse/Surge Fuel Tank, Pressure Vessel Design, Load Carrying-IP1707013	Bell Helicopter
15/895689	2/13/2018	USA	USA for Parent/Variable On-the-Fly Hub to Hub Phasing to Minimize Aircraft Vibration-IPFF1705139	Bell Helicopter
15/896307	2/14/2018	USA	PT17-016-IP1706927	Bell Helicopter

2018 Bell Patent Asgmt Schedule

15/998383	2/14/2018	USA	Hybrid Propulsion Drive Train System for Stop-Fold Tiltrotor Aircraft-IP1604867	Bell Helicopter
2.995.295	2/14/2018	Canada	Canada for ParentTilt Rotor System that is Stiff-in-plane with high lock number blade-IPFF-1819185	Bell Helicopter
201810152131 X	2/14/2018	China	China for ParentPosition Hold Error Calculation and Logic-IPFF1819104	Bell Helicopter
15/897310	2/15/2018	USA	Mast Rotation Lockout-TRAN180070011	Bell Helicopter
15/897934	2/15/2018	USA	USA for ParentSystem and Method of Post-Cure Processing of Composite Core-IPFF1705142	Bell Helicopter
2.995.510	2/15/2018	Canada	Canada for ParentControl Law to maximize flaperon/ailerons performance with minimum actuator capability-IPFF1819097	Bell Helicopter
15/898541	2/17/2018	USA	Helical or parallel-ring seats for allowing off-axis motion while maintaining sealed connection-IP1707026	Bell Helicopter
15/898550	2/17/2018	USA	Retractable Slow Shaft-IP1706981	Bell Helicopter
15/900226	2/20/2018	USA	USA for ParentRotor Hub Bearing System-IPFF1705127	Bell Helicopter
18157736.2	2/20/2018	EPC	EPC for ParentP17-008 Power Allocation Systems for Aircraft-IPFF1819184	Bell Helicopter
18157737.01	2/20/2018	EPC	EPC for ParentVariable Sweep Tip Assembly and Actuator Mechanism for a Helicopter Rotor Blade-IPFF1819181	Bell Helicopter
18157738.8	2/20/2018	EPC	EPC for ParentRotor Leading Edge Extension-IPFF1705049	Bell Helicopter
18157978	2/21/2018	EPC	EPC for ParentHybrid Propulsion Drive Train System for Stop-Fold Tiltrotor Aircraft-IPFF1705099	Bell Helicopter
2995889	2/21/2018	Canada	Canada for ParentRotor Leading Edge Extension-IPFF1705050	Bell Helicopter
15/902133	2/22/2018	USA	Absolute measurement of large angular displacement-IP1504655	Bell Helicopter
15/902402	2/22/2018	USA	Inboard CF Bearing-IP1707015	Bell Helicopter
15/894876	2/23/2018	USA	Aircraft Automatic Heading System for Polar Operations-TRAN180070008	Bell Helicopter
201810156909.4	2/24/2018	China	China for ParentReverse Tackle Cue for RPM Overspeed Protection-IPFF1819135	Bell Helicopter
15/905349	2/26/2018	USA	Automatic Tail Strike Protection-IP1707038	Bell Helicopter
201810159739.5	2/26/2018	China	China for ParentStandard Rate Turn Pedal BEEP-IPFF1819128	Bell Helicopter
15/906108	2/27/2018	USA	Inlet Barrier Filter for tiltrotor aircraft-IP1705995	Bell Helicopter
15/906633	2/27/2018	USA	USA for ParentSuper Capacitor Based Emergency Lighting Systems-IPFF1819190	Bell Helicopter
201810138011.9	2/28/2018	China	China for ParentTRC Transition Smoothing-IPFF1819103	Bell Helicopter
15/909246	3/1/2018	USA	P17-024-IP1708963	Bell Helicopter
201810175125.6	3/2/2018	China	China for ParentHybrid Propulsion Drive Train System for Stop-Fold Tiltrotor Aircraft-IPFF1705092	Bell Helicopter
2997286	3/2/2018	Canada	Canada for ParentHybrid Propulsion Drive Train System for Stop-Fold Tiltrotor Aircraft-IPFF1705091	Bell Helicopter
15/911143	3/4/2018	USA	Plinger seal for dmeshaft connection that opens/seals oil passages when axially translated-IP1707023	Bell Helicopter
15/913266	3/6/2018	USA	Hinged Connector Strain Relief Backshell-IP1706861	Bell Helicopter
15/913526	3/6/2018	USA	505 Idlefly switch-IP1706869	Bell Helicopter
15/913666	3/6/2018	USA	HAI Provisional - ADVANCED HELICOPTER-IP1706662	Bell Helicopter
15/913756	3/6/2018	USA	Pilot and Passenger Seat-TRAN180070275	Bell Helicopter
15/913789	3/6/2018	USA	Augmented Reality System for Cockpit and Passengers-TRAN180070276	Bell Helicopter
18160553.1	3/6/2018	EPC	EPC for Parents05 Idlefly switch-IPFF1819205	Bell Helicopter
2.997.569	3/6/2018	Canada	Canada for Parents05 Idlefly switch-IPFF1819206	Bell Helicopter
15/914527	3/7/2018	USA	P53-005-TRAN180070047	Bell Helicopter
15/915632	3/8/2018	USA	P17-023-IP1707022	Bell Helicopter

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15/915642	3/8/2018		USA	Active Air Cooling System for a Transmission During a Loss of Lubrication Event-IP1103068	Bell Helicopter
15/915699	3/8/2018		USA	Axially actuated cam-lock mechanism-IP1707028	Bell Helicopter
15/916134	3/8/2018		USA	Light Weight and Broadgoods Drive Link-IP1706973	Bell Helicopter
15/916182	3/8/2018		USA	Failure detection of machine design components using image recognition-IP1604954	Bell Helicopter
201810193974.4	3/9/2018		China	China for ParentDirection Heading Control at High Speeds-IPFF1819122	Bell Helicopter
201810194479.5	3/9/2018		China	China for ParentPseudo Position Hold at High Latitudes-IPFF1819105	Bell Helicopter
15/919459	3/13/2018		USA	Aerial Refueling Equipment in Modular Payload Bay-IP1706996	Bell Helicopter
15/920195	3/13/2018		USA	Selectively engageable aircraft driveshaft using friction plates-IP1707029	Bell Helicopter
15/923201	3/16/2018		USA	Tuned Flexible Coupling with Stop for Standpipe Assembly-TRAN180070030	Bell Helicopter
18162679	3/19/2018		EPC	EPC for ParentOn-Component Maintenance Tracking to Enable Autonomous Maintenance Planning-IPFF1819197	Bell Helicopter
201810229151.2	3/20/2018		China	China for ParentActive Lateral Shuttle Filter-IPFF1819127	Bell Helicopter
201810229152.7	3/20/2018		China	China for ParentBlended Air Data and Inertial Feedback for Longitudinal Control-IPFF1819134	Bell Helicopter
15/928644	3/22/2018		USA	VR full motion flight simulator that uses Bell proprietary vehicle math models and control laws-IP1706970	Bell Helicopter
15/933106	3/22/2018		USA	P17-027-IP1707043	Bell Helicopter
15/933810	3/23/2018		USA	Noise cancelling speaker for Fenestron tail rotors-IP1706747	Bell Helicopter
18163674.7	3/23/2018		EPC	EPC for ParentControl Method for Preventing Differences Between Rotor Tilt Angles in a Fly-by-wire Tiltrotor Aircraft-IPFF1819208	Bell Helicopter
18163782.8	3/23/2018		EPC	EPC for ParentAutorotation Assist-IPFF1819138	Bell Helicopter
15/935789	3/26/2018		USA	Cerifiable Structural Adhesive Bonding Method for Aircraft Primary Structure-TRAN180070220	Bell Helicopter
15/935927	3/26/2018		USA	One-Piece Rotor Blade Afterbody-IP1706989	Bell Helicopter
201810252012.1	3/26/2018		China	China for ParentZero-knot Ymini-IPFF1819106	Bell Helicopter
15/936866	3/27/2018		USA	Erosion Protection System Resembling an Array of Cycloid Scales-IP1604885	Bell Helicopter
15/936894	3/27/2018		USA	VR Emulator Aboard Aircraft Using Motion Control Chair-TRAN180070006	Bell Helicopter
15/936915	3/27/2018		USA	VR Emulator Using Galvanic Vestibular Stimulation Device-TRAN180070007	Bell Helicopter
15/936979	3/28/2018		USA	Rigid Tilt Rotor Hub with Coning relief-IP1706926	Bell Helicopter
18164529.2	3/28/2018		EPC	EPC for ParentMulti-Tiered Conditional Analysis Engine-IPFF1819215	Bell Helicopter
201810265354.7	3/28/2018		China	China for ParentDefault In-Detent Vertical Speed / Altitude Hold-IPFF1819129	Bell Helicopter
15/939849	3/29/2018		USA	Crash Resistant Fuel System Line-TRAN180070973	Bell Helicopter
15/940184	3/29/2018		USA	Weight on Wheels Four State System-IP1604978	Bell Helicopter
15/940289	3/29/2018		USA	Apparatus and Method for Removing Main Rotor Blades from M/R Hub Gips-IP1706946	Bell Helicopter
15/941297	3/30/2018		USA	Fluid Fitting Adapter-IP1605684	Bell Helicopter
15/941317	3/30/2018		USA	Multiple Port Piston Seal Fitting-IP1605685	Bell Helicopter
15/942030	3/30/2018		USA	ATTACHMENT OF LIQUID INERTIA VIBRATION ELIMINATOR SYSTEM-TRAN1800709800	Bell Helicopter
15/942420	3/30/2018		USA	Rotorcraft Swashplate Actuator Control Configuration for Improved fault Tolerance-IP1606062	Bell Helicopter

2018 Bell Patent Asgmt Schedule

15/942554	4/1/2018	USA	Axially actuated ("click-pen") locking mechanism with half-spline locking-IP1707027	Bell Helicopter
15/942707	4/2/2018	USA	Light Weight Trunnion-IP1706985	Bell Helicopter
201810283303.7	4/2/2018	China	China for ParentAutomatic Assist-IPFF1819139	Bell Helicopter
18165754.5	4/4/2018	EPC	EPC for ParentIntegral Life Raft, Survival Kit, and Step-IPFF1819214	Bell Helicopter
15/946439	4/5/2018	USA	VTOL Mode Nacelle Blocker-IP1706991	Bell Helicopter
15/946598	4/5/2018	USA	Rapidly re-configurable mounting system for palletized mission equipment-IP1706863	Bell Helicopter
15/949633	4/10/2018	USA	P17-013-IP1707020	Bell Helicopter
15/949660	4/10/2018	USA	P17-025-IP1707041	Bell Helicopter
201810320255.4	4/11/2018	China	China for ParentCollective Power Hold-IPFF1819114	Bell Helicopter
15/951274	4/12/2018	USA	Searchlight hard stops-IP1708809	Bell Helicopter
15/951539	4/12/2018	USA	Pressurized sliding door-IP1706987	Bell Helicopter
18167019.1	4/12/2018	EPC	EPC for ParentTail Rotor Margin Awareness-IPFF1819112	Bell Helicopter
18167029.0	4/12/2018	EPC	EPC for ParentAutomatic Tail Strike Protection-IPFF1819152	Bell Helicopter
18167032.4	4/12/2018	EPC	EPC for ParentTail Rotor Aircraft Articulated Hub w/ coincident hinges and the damper force on the PCA-IPFF1819292	Bell Helicopter
18167037.3	4/12/2018	EPC	EPC for ParentVTOL Tilting Aircraft with hybrid distributed electric propulsion-IPFF1819234	Bell Helicopter
18167038.1	4/12/2018	EPC	EPC for ParentTilt Rotor with damping in the wing to increase airplane stability-IPFF1819233	Bell Helicopter
15/952405	4/13/2018	USA	ISF Tooling Requirements-IRAN180070808	Bell Helicopter
3001567	4/13/2018	Canada	Canada for ParentSearchlight hard stops-IPFF1819185	Bell Helicopter
15/954281	4/16/2018	USA	Electronically Damped Touch Screen Display-IP1706986	Bell Helicopter
18167568.7	4/16/2018	EPC	EPC for ParentRotorcraft RPM indication system for managing rotor droop-IPFF1819240	Bell Helicopter
15/956282	4/18/2018	USA	ERAU M-Wing-TRAN180070215	Bell Helicopter
15/957148	4/18/2018	USA	ERAU Spill Wing Concept-IP1707049	Bell Helicopter
15/958045	4/20/2018	USA	Integral step handhold with flex load path-IP1707054	Bell Helicopter
15/958277	4/20/2018	USA	Engine Inlet System with integral firewall seal-IP1707058	Bell Helicopter
201810361277.5	4/20/2018	China	China for ParentAutomatic Tail Strike Protection-IPFF1819153	Bell Helicopter
201810362167.0	4/20/2018	China	China for ParentTail Rotor Margin Awareness-IPFF1819113	Bell Helicopter
15/960732	4/24/2018	USA	Control Law for variable acceleration-deceleration command to prop rotor speed controller (governor)-IP1604855	Bell Helicopter
15/960931	4/24/2018	USA	Planar LIVE Mount Vibration Isolator-IP1504188	Bell Helicopter
15/961370	4/24/2018	USA	Passive Oil System for Planetary Bearings in Loss of Lube (ATLS)-TRAN180070748	Bell Helicopter
15/961439	4/24/2018	USA	Offshore Automated Approaches-IP1604962	Bell Helicopter
15/961609	4/24/2018	USA	Use of diaphragm couplings in driveshaft stack for chucking allowance-IP1707025	Bell Helicopter
15/961713	4/24/2018	USA	P17-018-IP1706928	Bell Helicopter
15/962889	4/26/2018	USA	Collective Out of Detent Sensing Logic-IP1604968	Bell Helicopter
15/963283	4/26/2018	USA	FOLDING WING EXTENSION-IP1706990	Bell Helicopter
15/963516	4/26/2018	USA	Collective Control Pitch Link-TRAN180070603	Bell Helicopter
15/963911	4/28/2018	USA	Ecu fairing with integral fresh air inlet and passive particle separation features-IP1707052	Bell Helicopter
15/965359	4/27/2018	USA	Fairing Edge (rotating controls cutout) Integrated Hand Hold-IP1707055	Bell Helicopter
15/967007	4/30/2018	USA	Drive Link Mounted Flapping Sensor-IP1707065	Bell Helicopter
15/967220	4/30/2018	USA	P17-026-IP1707042	Bell Helicopter
15/967831	5/1/2018	USA	ICDS Delete Hybrid Tiltrotor-IP1707066	Bell Helicopter
15/967843	5/1/2018	USA	Overhung Planetary Carrier with Hardened Posts-IP1605661	Bell Helicopter

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15/967884	5/1/2018	USA	Bypass Blocks for Unregulated Gearboxes-IP1605663	Bell Helicopter
15/967913	5/1/2018	USA	Reduced Shank Studs for Increased Clearance to Surrounding Material-IP1605667	Bell Helicopter
15/967935	5/1/2018	USA	Gearbox Filler Cap and Inspection Port with Removable Baffle-IP1605669	Bell Helicopter
15/968649	5/1/2018	USA	Pylon-Conversion Area Protection (CAP)-IP1707005	Bell Helicopter
15/969217	5/2/2018	USA	Scavenger Power de-ice Spinner-TRAN180070754	Bell Helicopter
201810427443.7	5/4/2018	China	China for ParentState Comparison between FCC Processors-IPFF1819100	Bell Helicopter
15/972170	5/6/2018	USA	Locking Mechanism-TRAN180071603	Bell Helicopter
15/972431	5/7/2018	USA	Aircraft having Redundant Directional Control-IP1706983	Bell Helicopter
15/972448	5/7/2018	USA	Aircraft having Two Axis Gimbal Mounted Propulsion Systems-IP1707010	Bell Helicopter
15/972461	5/7/2018	USA	Aircraft having Single Axis Gimbal Mounted Propulsion Systems-IP1707011	Bell Helicopter
15/972481	5/7/2018	USA	Aircraft having Multiple Independent Yaw Authority Systems-IP1707012	Bell Helicopter
15/975738	5/9/2018	USA	Dual Engine External Fuselage Mounted Configuration-IP1707050	Bell Helicopter
15/976025	5/10/2018	USA	Gear Shroud with a Metered Hole for Disbursing Lubricant in a Splash Lubricated Gearbox-IP1605674	Bell Helicopter
18171681.2	5/10/2018	EPC	EPC for ParentCombined Mode Controller and Display Control Unit-IPFF1819245	Bell Helicopter
18171730.7	5/10/2018	EPC	EPC for ParentFailure detection of machine design components using image recognition-IPFF1819238	Bell Helicopter
18171731.5	5/10/2018	EPC	EPC for ParentRotorcraft Breakaway Cover for Emergency Access-IPFF1819249	Bell Helicopter
18171884.1	5/11/2018	EPC	EPC for ParentUAV Rotor System-IPFF1619239	Bell Helicopter
15/976846	5/14/2018	USA	CLAW Mode Reference / Annunciation-IP1604975	Bell Helicopter
18172006.1	5/14/2018	EPC	EPC for ParentApparatus and Method for Removing Main Rotor Blades from MR Hub Grips-IPFF1819251	Bell Helicopter
18172160.6	5/14/2018	EPC	EPC for ParentSafety Bypass Valve-IPFF1819241	Bell Helicopter
15/980452	5/15/2018	USA	P53-009-TRAN180070903	Bell Helicopter
15/981525	5/16/2018	USA	Variable ASE Fillers with Rotor Speed-IP1707059	Bell Helicopter
15/982420	5/17/2018	USA	Quad Rotor Aircraft with emergency Solid Fuel and NO2 fueled Turbine on each Rotor Drive for Autorotation assistance and safety-IP1707002	Bell Helicopter
3006501	5/17/2018	Canada	Canada for ParentElectrical Bus Arrangement for Ice Protection Systems-IPFF1819265	Bell Helicopter
15/983752	5/18/2018	USA	Method of Tactile Queuing Using a Variable Friction Device-IP1604977	Bell Helicopter
15/986219	5/22/2018	USA	USA for ParentRotor Hub Elastomeric Bearings-IPFF1819248	Bell Helicopter
15/987059	5/23/2018	USA	Threshold Time Based PAO Control Filters-TRAN180070745	Bell Helicopter
201810503368.8	5/23/2018	China	China for ParentOn-Component Maintenance Tracking to Enable Autonomous Maintenance Planning-IPFF1819198	Bell Helicopter
18174173.7	5/24/2018	EPC	EPC for ParentRotor Break effect by using EDAT generators and opposing electric motor thrust to slow the main rotor-IPFF1819273	Bell Helicopter
201810609912.X	5/24/2018	China	China for ParentWeight on Wheels Four State System-IPFF1819126	Bell Helicopter
201810510310.6	5/24/2018	China	China for ParentPhysical Functional Integration for Fault Isolation-IPFF1819176	Bell Helicopter

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15/989839	5/25/2018	USA	USA for ParentSystems and Methods of Constructing Composite Assemblies-IPFF 1819246	Bell Helicopter
15/990622	5/26/2018	USA	Inboard Bearing Assemblies with Improved Accessibility-TRAN180072341	Bell Helicopter
15/990623	5/26/2018	USA	Inboard Bearing Assemblies having Independent Shoes-TRAN180072342	Bell Helicopter
15/990624	5/26/2018	USA	Inboard Bearing Assemblies having Load Transfer Bolts-TRAN180072343	Bell Helicopter
15/990625	5/26/2018	USA	Hub Bolt Supported Inboard Bearing Assemblies-TRAN180072345	Bell Helicopter
15/990610	5/26/2018	USA	USA for ParentTiltrotor Articulated Wing Extensions-IPFF 1819281	Bell Helicopter
15/991369	5/29/2018	USA	Automated Approach To Hover-IP1707033	Bell Helicopter
15/994518	5/31/2018	USA	EXHAUST DUCTS SIDE SUPPORTED FROM ADJACENT STRUCTURE (APU DECK)-IP1707053	Bell Helicopter
3006928	5/31/2018	Canada	Canada for ParentRotor Break effect by using EDAT generators and opposing electric motor thrust to slow the main rotor-IPFF 1819274	Bell Helicopter
2018105517489	5/31/2018	China	China for ParentRotor Break effect by using EDAT generators and opposing electric motor thrust to slow the main rotor-IPFF 1819275	Bell Helicopter
15/996132	6/1/2018	USA	Vertical Speed Filtering-IP1707039	Bell Helicopter
15/997547	6/4/2018	USA	Floor Seat Attachment Cover-TRAN180070218	Bell Helicopter
16/000439	6/5/2018	USA	Torque/RPM/Azimuth Sensor-IP1707064	Bell Helicopter
16/001477	6/6/2018	USA	Walking strake that runs the length of the fuselage-IP1707067	Bell Helicopter
16/001925	6/6/2018	USA	USA for ParentA system, method and computer readable media for operating a transportation services business using VTOL flying frames-IPFF 1819294	Bell Helicopter
16/002599	6/7/2018	USA	Anti Torque Fitting for One Sided Fastener Installation-IP1706947	Bell Helicopter
16/004159	6/8/2018	USA	Rotatable and Extendable Deployment System (REDS)-IP1706988	Bell Helicopter
16/004354	6/8/2018	USA	Full Envelope Automatic Height Hold-IP1604989	Bell Helicopter
16/004371	6/9/2018	USA	P17-019-IP1707021	Bell Helicopter
16/004373	6/9/2018	USA	Fatigue Certification of a Complex Multi Load Path Structure Submitted to High Frequency Loading: the Example of the Bell 505 Welded Steel Tubular Structure-IP1706969	Bell Helicopter
16/004375	6/9/2018	USA	P17-032-TRAN180072206	Bell Helicopter
16/004376	6/9/2018	USA	P53-013 Swivel-TRAN180072212	Bell Helicopter
16/004689	6/11/2018	USA	Bearingless Gimbalized Rotor Hub-IP1706984	Bell Helicopter
181771379	6/11/2018	EPC	EPC for ParentSelf Stowing and Deploying in flight Rotor System for a UAV-IPFF 1819267	Bell Helicopter
30078230	6/11/2018	Canada	Canada for ParentSelf Stowing and Deploying in flight Rotor System for a UAV-IPFF 1819268	Bell Helicopter
16/006652	6/12/2018	USA	USA for ParentConstant-Velocity Joint Link with Reduced Axial Stiffness-IPFF 1819260	Bell Helicopter
181774217	6/12/2018	EPC	EPC for ParentLarge Multi-Rotor Aircraft with Distributed Propulsion and Variable Pitch for Auto-rotation-IPFF 1819272	Bell Helicopter
16/007666	6/13/2018	USA	P17-034 tail rotor-TRAN180072209	Bell Helicopter
181776196	6/13/2018	EPC	EPC for ParentCDS Delete: Hybrid Tiltrotor-IPFF 1819291	Bell Helicopter
181776204	6/13/2018	EPC	EPC for ParentPassive Oil System for Planetary Bearings in Loss of Lube (ATS)-IPFF 1819289	Bell Helicopter

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18177635.2	6/13/2018	EPC	EPC for ParentTiltrotor Outboard Fixed Engine Configuration with Offset Rotation Spindle and Interconnected Drive Shaft-IPFF1819288	Bell Helicopter
18177694.9	6/14/2018	EPC	EPC for ParentCrash Resistant Fuel System Line-IPFF1819266	Bell Helicopter
16009610	6/15/2018	USA	Alternate method to detect and display helicopter gearbox temperature after loss of lubrication oil-IP1706962	Bell Helicopter
18178376.2	6/18/2018	EPC	EPC for ParentWeight on Wheels Four State System-IPFF1819125	Bell Helicopter
16/011721	6/19/2018	USA	Semi-Automatic Blade Fold Mechanism-TRAN180072051	Bell Helicopter
16/012094	6/19/2018	USA	Square Drive Tube-TRAN180072053	Bell Helicopter
201810630680.3	6/19/2018	China	China for ParentSelf Stowing and Deploying in flight Rotor System for a UAV-IPFF1819259	Bell Helicopter
201810631708.5	6/19/2018	China	China for ParentOffshore Automated Approaches-IPFF1819102	Bell Helicopter
16/013201	6/20/2018	USA	Application of Tilted Propellers to Enhance Distributed Propulsion Control Authority-IP1706888	Bell Helicopter
16/014441	6/21/2018	USA	Pylon Over Wing Engine Under Wing Aircraft Configuration-IP1707062	Bell Helicopter
18179179.9	6/21/2018	EPC	EPC for ParentVTOL Mode Nacelle Blocker-IPFF1819284	Bell Helicopter
18179187.2	6/21/2018	EPC	EPC for ParentCentrifugal Structural Adhesive Bonding Method for Aircraft Primary Structure-IPFF1819250	Bell Helicopter
18179189.8	6/21/2018	EPC	EPC for ParentP7-013-IPFF1819271	Bell Helicopter
16/015599	6/22/2018	USA	Real time engine inlet barrier filter health monitor-IP1706951	Bell Helicopter
16/015760	6/22/2018	USA	Pylon Over Wing Engine On Wing Aircraft Configuration-IP1707063	Bell Helicopter
16/016280	6/22/2018	USA	Rotor Blade Fold Mechanism-TRAN180072050	Bell Helicopter
16/016159	6/22/2018	USA	USA for ParentRotorcraft Engine Inlet Passive Internal Ice Catcher (EIPIC)-IPFF1819280	Bell Helicopter
201810653307.X	6/22/2018	China	China for ParentCollective Out of Detent Sensing Logic-IPFF1819109	Bell Helicopter
16/018862	6/26/2018	USA	USA for ParentShear Attachment of Wing to Fuselage-IPFF1819299	Bell Helicopter
16/019826	6/27/2018	USA	REMOVABLE ATTACHMENTS STRUTS FOR LIQUID INERTIA VIBRATION ELIMINATOR SYSTEM-TRAN180070781	Bell Helicopter
29854807	6/27/2018	USA	Seat (design)-TRAN180070277	Bell Helicopter
16/021845	6/28/2018	USA	Summer Machine Gun Mount-TRAN180072052	Bell Helicopter
16/022375	6/28/2018	USA	Drop Ring with Removable Wear Elements-IP1606068	Bell Helicopter
16/022455	6/28/2018	USA	Use of UDAHRS Units to Provide Inertial Speed Feedback-IP1604982	Bell Helicopter
18180551.6	6/28/2018	EPC	EPC for ParentTilt Rotor Hub with Hooke's joint and torsional Z/rev attenuation features-IPFF1819283	Bell Helicopter
18180949.2	6/29/2018	EPC	EPC for ParentOffshore Automated Approaches-IPFF1819101	Bell Helicopter
16/024986	7/2/2018	USA	System for monitoring and actively controlling the distance between rotating and non rotating aircraft structure-TRAN180072057	Bell Helicopter
16/025041	7/2/2018	USA	Variable Chord-Wise Vortex Generators (VGS)-TRAN180071821	Bell Helicopter
16/025147	7/2/2018	USA	P53-002-TRAN180070043	Bell Helicopter
18181177.9	7/2/2018	EPC	EPC for ParentP17-025-IPFF1819270	Bell Helicopter
18181812.1	7/5/2018	EPC	EPC for ParentOverwing Planetary Carrier with Hardened Posts-IPFF1819297	Bell Helicopter
18181813.9	7/5/2018	EPC	EPC for ParentReduced Shank Studs for Increased Clearance to Surrounding Material-IPFF1819308	Bell Helicopter
18181815.4	7/5/2018	EPC	EPC for ParentGearbox Filler Cap and Inspection Port with Removable Baffle-IPFF1819309	Bell Helicopter

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18181818 8	7/5/2018	EPC	EPC for ParentBypass Blocks for Unregulated Gearboxes-IPFF1819307	Bell Helicopter
18182088 7	7/6/2018	EPC	EPC for ParentEngine Inlet System with Integral Firewall seal-IPFF1819279	Bell Helicopter
3010825	7/8/2018	Canada	Canada for ParentManeuver Flapping Controller-IPFF1819310	Bell Helicopter
16030063	7/9/2018	USA	Spherical Mounted Roller Bearing-TRAN180072586	Bell Helicopter
16030406	7/9/2018	USA	VZ80 RPU Assisted Blade Fold-TRAN180072055	Bell Helicopter
16030687	7/9/2018	USA	Simplified MOT/RTT Control Algorithm-IP1604972	Bell Helicopter
16031452	7/10/2018	USA	Automated Broadgoods Application For Aircraft Structure Construction-IP1706660	Bell Helicopter
16031741	7/10/2018	USA	Flying Wing with Folding Motor Mounts-TRAN180072529	Bell Helicopter
16031771	7/10/2018	USA	Fixed wing flight control with electric motors-TRAN180072630	Bell Helicopter
16031786	7/10/2018	USA	Motor Mount Twist Lock with Detents-TRAN180072631	Bell Helicopter
20181075151 9	7/10/2018	China	China for ParentVariable ASE Filters with Rotor Speed-IPFF1819159	Bell Helicopter
201810751743 0	7/10/2018	China	China for ParentMethod of Tactile Queuing Using a Variable Friction Device-IPFF1819124	Bell Helicopter
3011019 0	7/10/2018	Canada	Canada for ParentFiber Reinforced Plastic Additive Manufactured Bond Mold for Fiber Reinforced Thermosetting Materials-IPFF1819300	Bell Helicopter
16032926	7/11/2018	USA	Multiple-Profile CAT A Guidance-IP1604963	Bell Helicopter
16033695	7/12/2018	USA	Wing Construction - Hal Section Spar-TRAN180071820	Bell Helicopter
16035340	7/13/2018	USA	P53-001-TRAN180070041	Bell Helicopter
16035358	7/13/2018	USA	Spinning Mass Hub Mounted Vibration Reduction System for Coaxial Helicopters-TRAN180071709	Bell Helicopter
16035381	7/13/2018	USA	P53-010-TRAN180071706	Bell Helicopter
16035397	7/13/2018	USA	P53-007-TRAN180070049	Bell Helicopter
16035409	7/13/2018	USA	Engaging and Disengaging Clutch Mechanism-IP1706883	Bell Helicopter
18183421 8	7/13/2018	EPC	EPC for ParentIntegral step handhold with flex load path-IPFF1819314	Bell Helicopter
16036228	7/16/2018	USA	Perforation Methodology to Reduce Defects in Vacuum Assisted Composite Structures (505)-TRAN180070602	Bell Helicopter
18183786 8	7/16/2018	EPC	EPC for ParentMethod of Tactile Queuing Using a Variable Friction Device-IPFF1819123	Bell Helicopter
18183757 6	7/16/2018	EPC	EPC for ParentVariable ASE Filters with Rotor Speed-IPFF1819158	Bell Helicopter
18183788 4	7/16/2018	EPC	EPC for ParentRotorcraft Swashplate Actuator Control Configuration for Improved fault Tolerance-IPFF1819282	Bell Helicopter
18183759 2	7/16/2018	EPC	EPC for ParentCollective Out of Detent Sensing Logic-IPFF1819108	Bell Helicopter
16038 366	7/18/2018	USA	Hybrid Yoke-TRAN180070752	Bell Helicopter
18184104 0	7/18/2018	EPC	EPC for ParentVTOL Aircraft with Four-Bar Linkage Tilting Wing-IPFF1819236	Bell Helicopter
18184586 8	7/19/2018	EPC	EPC for ParentEcu fairing with Integral fresh air inlet and passive particle separation features-IPFF1819313	Bell Helicopter
18184587 6	7/19/2018	EPC	EPC for ParentEXHAUST DUCTS SIDE SUPPORTED FROM	Bell Helicopter
18184588 4	7/19/2018	EPC	ADJACENT STRUCTURE (APU DECK)-IPFF1819322	Bell Helicopter
18184589 2	7/19/2018	EPC	EPC for ParentFuselage Seal Attachment Cover-IPFF1819323	Bell Helicopter
16041687	7/20/2018	USA	Hand Hold-IPFF1819321	Bell Helicopter
201810804962 0	7/20/2018	China	Airbag to Secure Payload-TRAN180071710	Bell Helicopter
		China	China for ParentManeuver Flapping Controller-IPFF1819311	Bell Helicopter

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3012147	7/20/2018	Canada	Canada for ParentPlanetary Pinion Gear Having Failure Mode Optimized for Continued System Operation-IPFF1819285	Bell Helicopter
3012148	7/20/2018	Canada	Canada for ParentMethod of avoiding gear tooth interference under a deflection from a split planet pinion gear-IPFF1819285	Bell Helicopter
16/042024	7/23/2018	USA	Utilization of engine inlet boundary layer air on high speed rotorcraft for engine compartment cooling-IP1706950	Bell Helicopter
16/042767	7/23/2018	USA	Direct Use of Outer Loop Commands for FD Following-IP1604974	Bell Helicopter
16/042706	7/23/2018	USA	USA for ParentTilt Rotor Flapping Stop Mechanism with Variable Hub Flapping Spring Rate during In-Flight Folding-IPFF1819257	Bell Helicopter
20181081445 6	7/23/2018	China	China for ParentPlanetary Pinion Gear Having Failure Mode Optimized for Continued System Operation-IPFF1819287	Bell Helicopter
16/044346	7/24/2018	USA	USA for ParentIndependent Internal and External Door Latching through the use of concentric shafts-IPFF1819189	Bell Helicopter
18185351 6	7/24/2018	EPC	EPC for ParentAutomated Approach To Hover-IPFF1819142	Bell Helicopter
201810819651.1	7/24/2018	China	China for ParentAutomated Approach To Hover-IPFF1819143	Bell Helicopter
201810819694 X	7/24/2018	China	China for ParentFull Envelope Automatic Height Hold-IPFF1819111	Bell Helicopter
18185548.7	7/25/2018	EPC	EPC for ParentCLAW Mode Reference / Announcement-IPFF1819120	Bell Helicopter
18185550.3	7/25/2018	EPC	EPC for ParentFull Envelope Automatic Height Hold-IPFF1819110	Bell Helicopter
18185618.8	7/25/2018	EPC	Distributed Propulsion Control Authority-IPFF1819328	Bell Helicopter
18185548.8	7/26/2018	China	China for ParentCLAW Mode Reference / Announcement-IPFF1819121	Bell Helicopter
3012656	7/26/2018	Canada	Canada for ParentCO2 Powered UAV Autogyro-IPFF1819305	Bell Helicopter
16/047903	7/27/2018	USA	Pyron Over Wing - Attachment of Conversion Actuator and Downstop-TRAN180071817	Bell Helicopter
16/047907	7/27/2018	USA	Skid Landing Gear for Rotorcraft-IP1706913	Bell Helicopter
201810843325.4	7/27/2018	China	China for ParentVTOL Aircraft with Four-Bar Linkage Tilting Wing-IPFF1819312	Bell Helicopter
16/048869	7/30/2018	USA	Multi-Piece Assembly for a Composite Body of Revolution-TRAN180071795	Bell Helicopter
16/049553	7/30/2018	USA	Tilt Rotor Mast Duplex Tapered Roller Bearing Assembly-TRAN180072589	Bell Helicopter
16/050185	7/31/2018	USA	Spilled Downstop/PCA Arm for tiltrotor aircraft-IP1707058	Bell Helicopter
16/051334	7/31/2018	USA	P53-003-TRAN180070044	Bell Helicopter
16/051343	7/31/2018	USA	P53-008-TRAN180071777	Bell Helicopter
18186920.7	8/1/2018	EPC	EPC for ParentSimplified MDT/RTT Control Algorithm-IPFF1819115	Bell Helicopter
16/053611	8/2/2018	USA	P17-037 Abrasion Strip-TRAN180072211	Bell Helicopter
18186939.7	8/2/2018	EPC	EPC for ParentVTOL flying frame maintaining a pod assembly in a generally horizontal attitude during VTOL, forward flight and transitions therebetween-IPFF1819335	Bell Helicopter
16/054227	8/3/2018	USA	P17-047 Monitoring power use-TRAN180072624	Bell Helicopter
16/054606	8/3/2018	USA	USA for ParentRotor Hub Vibration Reduction Actuator with Non-Concentric to Mast Revolving Masses-IPFF1819304	Bell Helicopter
16/054937	8/3/2018	USA	USA for ParentSystem and Method for Automation of Rotorcraft Entry into Autorotation and Maintenance of Stabilized Autorotation-IPFF1819303	Bell Helicopter
18187176.50	8/3/2018	EPC	EPC for ParentP53-013 Swivel-IPFF1819324	Bell Helicopter
18187283.9	8/3/2018	EPC	EPC for ParentAnti Torque Fitting for One Sided Fastener Installation-IPFF1819334	Bell Helicopter

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16/103426	8/4/2018	USA	P17-048 safety mode-TRAN180072625	Bell Helicopter
16/05121	8/5/2018	USA	Single Lock Blade Fold-TRAN180072612	Bell Helicopter
16/056610	8/7/2018	USA	All-Fabric Proprotor Blade Spar Assy-TRAN180071819	Bell Helicopter
201810891468.2	8/7/2018	China	China for Parentsimplified MOT/RTT Control Algorithm- IPFF1819115	Bell Helicopter
16/058660	8/8/2018	USA	Skin to Core Bond Line Mapping-TRAN180071790	Bell Helicopter
16/059321	8/9/2018	USA	P17-010 Coaxing Inter-IP1706888	Bell Helicopter
16/059655	8/9/2018	USA	Electrical Load Shed to Increase Aircraft Power Available- TRAN180072582	Bell Helicopter
16/100499	8/10/2018	USA	USA for ParentComposite Rotor System Using Two "Race Track" Style Cantilevered Yokes (Non AFLEX) Configuration-IPFF1819329	Bell Helicopter
16/100679	8/10/2018	USA	USA for ParentBell Wire Cutter System-IPFF1819330	Bell Helicopter
16/102229	8/13/2018	USA	Vertical Fin LD-Dyna Model-TRAN180072622	Bell Helicopter
18188732.4	8/13/2018	EPC	EPC for ParentREMOVABLE ATTACHMENTS STRUTS FOR LIQUID INERTIA VIBRATION ELIMINATOR SYSTEM-IPFF1819331	Bell Helicopter
16/103083	8/14/2018	USA	USA for ParentAutonomous Enhancement System-IPFF1819333	Bell Helicopter
16/103770	8/14/2018	USA	USA for ParentIn-flight connection system-IPFF1819438	Bell Helicopter
16/103861	8/14/2018	USA	USA for ParentEquivalent Fleet Reliability - Structural Reliability Assessment Method-IPFF1819427	Bell Helicopter
18189205.0	8/15/2018	EPC	EPC for ParentMultiple-Profile CAT A Guidance-IPFF1819132	Bell Helicopter
201810934385.7	8/16/2018	China	China for ParentCO2 Powered UAV Autogyro-IPFF1819306	Bell Helicopter
201810934835.2	8/16/2018	China	China for ParentMultiple-Profile CAT A Guidance-IPFF1819133	Bell Helicopter
16/105116	8/20/2018	USA	Two Speed Gear Box with Hydraulic Pump and Motor to change speed while providing necessary torque-IP1706959	Bell Helicopter
16/105215	8/20/2018	USA	Active airflow management for tiltrotor hub thermal ventilation- IP1604725	Bell Helicopter
16/108479	8/22/2018	USA	USA for ParentTRC Transition Smoothing-IPFF1819209	Bell Helicopter
16/13519	8/27/2018	USA	Unmanned Aerial Vehicle with Compact Storage Mode- TRAN180071779	Bell Helicopter
16/13547	8/27/2018	USA	Hinged Chordwise Wing Separation Storage Module- TRAN180071700	Bell Helicopter
16/13577	8/27/2018	USA	Unmanned Aerial Vehicles with Interchangeable Wing Modules- TRAN180071780	Bell Helicopter
16/143240	8/27/2018	USA	Propulsion Configuration-TRAN180072712	Bell Helicopter
16/15894	8/29/2018	USA	System and Method for Ensuring Long Battery Life of Wireless Sensors on a Component Through Sequential Use of Redundant Sensors-TRAN180072627	Bell Helicopter
16/15919	8/29/2018	USA	Passive gustload alleviation device-TRAN180071814	Bell Helicopter
16/16516	8/29/2018	USA	System and Method for Finding and Charging battery-powered embedded sensors-TRAN180072625	Bell Helicopter
16/17840	8/30/2018	USA	Engine Exhaust Suppressor-TRAN180071809	Bell Helicopter
16/17924	8/30/2018	USA	Redundant Impact Resistant Structure H-1-TRAN180078778	Bell Helicopter
16/18372	8/30/2018	USA	Unmanned Aerial Systems Having Out of Phase Gimbaling Axes- TRAN180070045	Bell Helicopter
16/120676	9/4/2018	USA	Pusher Helicopter DriveTrain-TRAN180072704	Bell Helicopter
16/121036	9/4/2018	USA	Automated, configurable vertical takeoff and landing surface- IP1707047	Bell Helicopter
18192495.2	9/4/2018	EPC	EPC for ParentVariable Directional Thrust for Helicopter Tail Anti- Torque System-IPFF1819455	Bell Helicopter
16/122585	9/5/2018	USA	Stuck in Detent Monitors for Collective and Cyclic sticks-IP1707032	Bell Helicopter

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16/125592	9/7/2018		USA	Method for manufacturing co-cured composite panels with T-shaped stiffeners and curing tool used thereof-IP 1403828	Bell Helicopter
16/124762	9/7/2018		USA	USA for Parent/Direct Damage Tolerance Allowable Method-IPFF 1704852	Bell Helicopter
16/126294	9/7/2018		USA	USA for Parent/Direct Damage Tolerance Allowable Method-IPFF 1704853	Bell Helicopter
16/127115	9/10/2018		USA	Rotating Plyon Door for tiltrotor aircraft-TRAN180071823	Bell Helicopter
181936907	9/11/2018		EPC	EPC for Parent/Autonomous Enhancement System-IPFF 1819447	Bell Helicopter
16/129173	9/12/2018		USA	Pilot System Blockage Detector for Helicopters-TRAN180071503	Bell Helicopter
16/130139	9/13/2018		USA	Gearbox Cover Assembly-TRAN180071793	Bell Helicopter
181943549	9/13/2018		EPC	EPC for Parent/High Reliability Ice Protection Zone Configuration-IPFF 1819513	Bell Helicopter
3017372	9/13/2018		Canada	Canada for Parent/Articulated Hub with Blade to Blade Dampers and back to back dual spherical Elastomeric Bearings-IPFF 1819302	Bell Helicopter
16/131622	9/14/2018		USA	Tiltrotor Free Pivot Wing Extension-TRAN180071811	Bell Helicopter
2018110976284	9/18/2018		China	China for Parent/Fiber Reinforced Plastic Additive Manufactured Bond Mold for Fiber Reinforced Thermosetting Materials-IPFF 1819301	Bell Helicopter
181955766	9/19/2018		EPC	EPC for Parent/Independent Internal and external door latching through the use of concentric shafts-IPFF 1819502	Bell Helicopter
181955774	9/19/2018		EPC	Airframe Beam Structure (Texas Giant)-IPFF 1819508	Bell Helicopter
181955782	9/19/2018		EPC	EPC for Parent/Large Quad Tilt Rotor with foldable aft rotors for increased range-IPFF 1819511	Bell Helicopter
181955790	9/19/2018		EPC	EPC for Parent/Three Motor VTOL Aircraft-IPFF 1819506	Bell Helicopter
181965808	9/19/2018		EPC	EPC for Parent/Four Motor VTOL Aircraft with interchangeable or Deployable Payload Feature-IPFF 1819504	Bell Helicopter
181955816	9/19/2018		EPC	EPC for Parent/Spinning Mass Hub Mounted Vibration Reduction System for Coaxial Helicopters-IPFF 1819455	Bell Helicopter
181958299	9/20/2018		EPC	EPC for Parent/Fatigue Certification of a Complex Multi Load Path Structure Submitted to High Frequency Loading: the Example of the Bell 505 Welded Steel Tubular Structure-IPFF 1819173	Bell Helicopter
181958307	9/20/2018		EPC	Delayed OEI RPM Reference Transition-IP 1707034	Bell Helicopter
16/138653	9/21/2018		USA	Shrouded forward facing Inrusters-TRAN180072540	Bell Helicopter
16/138672	9/21/2018		USA	P17-038 Impact Detection-TRAN180072620	Bell Helicopter
16/138865	9/21/2018		USA	Snap tool for locating aircraft fasteners in inaccessible areas-IP 1706978	Bell Helicopter
16/140122	9/24/2018		USA	USA for Parent/Improved Rotor Hub Vibration Reduction Actuator with Static Springs-IPFF 1604677	Bell Helicopter
16/084870	9/24/2018		USA	P17-028 Pourable Foam-TRAN180072618	Bell Helicopter
16/141127	9/25/2018		USA	Method for enhanced fuel cell protection from adjacent damaged components-TRAN180070028	Bell Helicopter
16/143720	9/27/2018		USA	China for Parent/Hybrid Gas Generator VTOL Propulsion System-IPFF 1819514	Bell Helicopter
2018111580719	9/30/2018		China	China for Parent/Three Motor VTOL Aircraft-IPFF 1819507	Bell Helicopter
2018111580761	9/30/2018		China	China for Parent/Adaptive Trend Detection for System Health Indicator Data-IPFF 1819520	Bell Helicopter
2018111583906	9/30/2018		China	China for Parent/Four Motor VTOL Aircraft with interchangeable or Deployable Payload Feature-IPFF 1819505	Bell Helicopter
2018111595409	9/30/2018		China	Deployable Wing Geared Interface-TRAN180072663	Bell Helicopter
16/148005	10/1/2018		USA		Bell Helicopter

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16/148154	10/1/2018	USA	Non-Integral Roller Race for CRES Rotor Mast Poles-TRAN180071781	Bell Helicopter
16/148725	10/1/2018	USA	Hierarchical Integrated Trust Assessment-TRAN180072205	Bell Helicopter
16/149042	10/1/2018	USA	Decentralized Trust Assessment-TRAN180072204	Bell Helicopter
16/152919	10/5/2018	USA	Hybrid Rotorcraft Transmission Lubrication System-TRAN180072587	Bell Helicopter
16/152975	10/5/2018	USA	Independent Rotorcraft Transmission Lubrication Systems-TRAN180072588	Bell Helicopter
16/154173	10/8/2018	USA	Mission Configurable Aircraft-TRAN180070250	Bell Helicopter
16/154188	10/8/2018	USA	Main Portable Aircraft for Rapid In-situ Assembly-TRAN180072596	Bell Helicopter
16/154207	10/8/2018	USA	Automated Assembly of Mission Configurable Aircraft-TRAN180072597	Bell Helicopter
16/154250	10/8/2018	USA	APT Thrust Vectoring Attitude Control System-TRAN180070239	Bell Helicopter
16/154285	10/8/2018	USA	Aerial Imaging Aircraft having Stability in Inclined Flight Attitudes-TRAN180072598	Bell Helicopter
16/154282	10/8/2018	USA	Aircraft having Prioritized Flight Attitude Augmentation-TRAN180072599	Bell Helicopter
16/154326	10/8/2018	USA	APT LRU Detailed System-TRAN180070241	Bell Helicopter
16/154342	10/8/2018	USA	VTOL Aircraft for External Load Operations-TRAN180072783	Bell Helicopter
16/154359	10/8/2018	USA	(2) Aircraft with Thrust to Weight Dependent Conversion Modes-TRAN180072784	Bell Helicopter
16/154666	10/8/2018	USA	Variable durometer hardness of an hybrid caul plate-TRAN180072840	Bell Helicopter
16/155208	10/9/2018	USA	Composite Engine Drain Pans with Fire Protection coating-TRAN180072610	Bell Helicopter
201811177603.3	10/10/2018	China	China for Parent/Stuck in Detent Monitors for Collective and Cyclic sticks-IPFF1819141	Bell Helicopter
16/159178	10/12/2018	USA	Ducted Rotor Blade Extension-TRAN180072700	Bell Helicopter
16/159206	10/12/2018	USA	Soft Tip Blade extension-TRAN180072774	Bell Helicopter
16/160121	10/15/2018	USA	Erosion Protection Coating with Mesh Carrier-TRAN180072719	Bell Helicopter
17807149.4	10/15/2018	EPC	EPC for Parent/Improved Rotor Hub Vibration Reduction Actuator with Static Springs-IPFF1604678	Bell Helicopter
16/161279	10/16/2018	USA	Composite Aircraft with VTOL Concept-IP1707048	Bell Helicopter
16/161415	10/16/2018	USA	PARASITE AIRCRAFT FOR AIRBORNE DEPLOYMENT AND RETRIEVAL-TRAN180072692	Bell Helicopter
16/161455	10/16/2018	USA	MANEUVERABLE CAPTURE APPARATUS FOR AIRBORNE DEPLOYMENT AND RETRIEVAL OF PARASITE AIRCRAFT-TRAN180072693	Bell Helicopter
16/161921	10/16/2018	USA	Aircraft Windowed Structure-IP1706889	Bell Helicopter
16/164033	10/18/2018	USA	Slotted Flap/eron Seal Mechanism-TRAN180071815	Bell Helicopter
18201186.6	10/18/2018	EPC	EPC for Parent/Combination of Electrical and Mechanical Tail Rotor-IPFF1819553	Bell Helicopter
16/166028	10/23/2018	USA	Passive Hub Flapping Lock-TRAN180072722	Bell Helicopter
18202178.2	10/23/2018	EPC	EPC for Parent/Biplane Tilt Rotor configuration to reduce Helicopter mode wing down load-IPFF1819555	Bell Helicopter
16/169745	10/24/2018	USA	Anti-Tail Buffet Device-IP1706955	Bell Helicopter
16/169761	10/24/2018	USA	Patent ID for Hybrid Tilt Rotor Hub that switches from Gimbaled to stiff flapping for airplane mode with 4 or more blades-IP1706915	Bell Helicopter
16/170414	10/25/2018	USA	USA for Parent/Sub Spar for IML Tooled Thick Skins-IPFF1819570	Bell Helicopter
16/130139	10/26/2018	USA	FLIGHT INSTRUMENT WARNING DISPLAY-IP1706976	Bell Helicopter

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16/172326	10/26/2018	USA	USA for ParentCoaxial Counter-Rotating Rotor System-IPFF1819332	Bell Helicopter
18202863 9	10/26/2018	EPC	EPC for ParentFLIGHT INSTRUMENT WARNING DISPLAY-IPFF1819554	Bell Helicopter
16/173064	10/29/2018	USA	P17-042 Counterweight-TRAN180072623	Bell Helicopter
3022714	10/30/2018	Canada	Canada for ParentAir management system for stacked, air cooled electric motors-IPFF1819509	Bell Helicopter
16/176585	10/31/2018	USA	Anti-Symmetric Spring-TRAN180072720	Bell Helicopter
18203764 8	10/31/2018	EPC	EPC for ParentVR full motion flight simulator that uses Bell proprietary vehicle math models and control laws-IPFF1819522	Bell Helicopter
18203830 7	10/31/2018	EPC	EPC for ParentVR Emulator Using Galvanic Vestibular Stimulation Device-IPFF1819582	Bell Helicopter
18203832 3	10/31/2018	EPC	EPC for ParentVR Emulator Aboard Aircraft Using Motion Control Chair-IPFF1819681	Bell Helicopter
16/177430	11/1/2018	USA	P17-034 Healing Stick-TRAN180072619	Bell Helicopter
16/177431	11/1/2018	USA	CG Determination-TRAN180072617	Bell Helicopter
16/178349	11/1/2018	USA	Reverse RPM Airfoils-TRAN180072777	Bell Helicopter
18204010 5	11/1/2018	EPC	EPC for ParentMan Portable Aircraft for Rapid In-situ Assembly-IPFF1819680	Bell Helicopter
201811294181 8	11/1/2018	China	China for ParentIndependent Internal and external door latching through the use of concentric shafts-IPFF1819503	Bell Helicopter
16/179544	11/2/2018	USA	Canard or Tandem Wing Mule UAS-TRAN180072701	Bell Helicopter
18204447 9	11/5/2018	EPC	EPC for ParentFOLDING WING EXTENSION-IPFF1819573	Bell Helicopter
18204448 7	11/5/2018	EPC	EPC for ParentP17-018-IPFF1819574	Bell Helicopter
16/181694	11/6/2018	USA	Frequency Domain Mode Decomposition-IP1706945	Bell Helicopter
16/182442	11/6/2018	USA	Simplified method and tool to rig MR and TR controls rotor swashplate and tail rotor-TRAN180071774	Bell Helicopter
16/181641	11/6/2018	USA	USA for ParentNetworked Gearbox Lubrication System Providing Emergency Lubrication for Rotorcraft Drive and Propulsion Systems-IPFF1819577	Bell Helicopter
16/183385	11/7/2018	USA	Simplified method and tool to rig MR and TR controls rotor swashplate and tail rotor-TRAN180072616	Bell Helicopter
16/183035	11/7/2018	USA	USA for ParentVariable Directional Thrust for Helicopter Tail Anti-Torque System-IPFF1819585	Bell Helicopter
16/183899	11/8/2018	USA	Autonomous Thrust Vectoring Ring Wing Pod-TRAN180071787	Bell Helicopter
16/184436	11/8/2018	USA	Inboard Beam Assembly with Pin System for Anti-Rotation and CF Retention-TRAN180072718	Bell Helicopter
16/186158	11/9/2018	USA	a data sharing network utilizing a tablet or other portable device assigned to a specific aircraft serial number to be the interface between the source provider and the customer-IP1706640	Bell Helicopter
18205510 3	11/9/2018	EPC	EPC for ParentPropulsion Configuration-IPFF1819512	Bell Helicopter
16/188553	11/13/2018	USA	Descent Rate Limiter-TRAN180072703	Bell Helicopter
16/188937	11/13/2018	USA	Adaptive Flight Controls-TRAN180072706	Bell Helicopter
201811362409 4	11/14/2018	China	China for ParentAir management system for stacked, air cooled electric motors-IPFF1819510	Bell Helicopter
29/670337	11/15/2018	USA	Design Having Wing Extensions-TRAN180072809	Bell Helicopter
29/670350	11/15/2018	USA	design having wing extensions and with armed features-TRAN180072810	Bell Helicopter
29/670363	11/15/2018	USA	Design shown in modern day marine with winglets-TRAN180072811	Bell Helicopter
29/670370	11/15/2018	USA	Current basic design having blunted spinners-TRAN180072812	Bell Helicopter
29/670415	11/15/2018	USA	Current basic design with EW fairing-TRAN180072813	Bell Helicopter

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18206601.9	11/15/2018		EPC	EPC for ParentStuck in Detent Monitors for Collective and Cyclic sticks-IPFF1819140	Bell Helicopter
16/192901	11/16/2018		USA	Tail Rotor Retention HUMS Sensor-TRAN180072611	Bell Helicopter
16/195818	11/19/2018		USA	Shaft Axial Retention Device-TRAN180072788	Bell Helicopter
16/196912	11/20/2018		USA	Integrated Auxiliary fuel-TRAN180072775	Bell Helicopter
16/196950	11/20/2018		USA	Rotating Ring High Inertia Rotor-TRAN180072776	Bell Helicopter
16/196247	11/20/2018		USA	USA for ParentTiltrotor Wingtip Mounted Rotor Pylon with Offset Conversion Axis/Inbd Fixed Engine Arrangement-IPFF18199576	Bell Helicopter
18207393.2	11/20/2018		EPC	EPC for ParentIP17-006-IPFF1819598	Bell Helicopter
16/197761	11/21/2018		USA	Spinning Mass Vibration Reduction System for Hub Moment treatment-IP1707001	Bell Helicopter
18208166.1	11/23/2018		EPC	EPC for ParentIntegrated Capacitive Discharge Electrical Bonding Assurance System-IPFF1819578	Bell Helicopter
18/200024	11/26/2018		USA	Tiling Duct Compound Helicopter-IP1707003	Bell Helicopter
16/201748	11/27/2018		USA	Dual Mode Passive Emergency Lube System-TRAN180072787	Bell Helicopter
16/201764	11/27/2018		USA	Chemically Pressurized Multi-Mode ELS-TRAN180072839	Bell Helicopter
18208692.6	11/27/2018		EPC	EPC for ParentQuad Tilt Rotor with Fixed Engines and Propeller Driven Cruise-IPFF1819593	Bell Helicopter
18208694.2	11/27/2018		EPC	EPC for ParentBlockchain Method for Air traffic Control-IPFF1819596	Bell Helicopter
16/203931	11/29/2018		USA	USA for ParentMethods of folding and slowing tiltrotor rotor system-IPFF1819603	Bell Helicopter
16/204995	11/29/2018		USA	USA for ParentNondestructive Inspection Techniques for Rotorcraft Composites-IPFF1819583	Bell Helicopter
16/206088	11/30/2018		USA	Electric Reaction Control System-TRAN180071786	Bell Helicopter
16/208048	12/3/2018		USA	3-D Printed Gear Housing w/ Integral Heat Exchanger-TRAN180072786	Bell Helicopter
201811465863.5	12/3/2018		China	China for ParentIntegrated Capacitive Discharge Electrical Bonding Assurance System-IPFF1819579	Bell Helicopter
201811465818.5	12/3/2018		China	China for ParentGearbox hydraulic split torque equalizer-IPFF1819586	Bell Helicopter
201811465820.2	12/3/2018		China	China for ParentIP17-007-IPFF1819594	Bell Helicopter
16/208960	12/4/2018		USA	Propulsion Configuration-TRAN180072819	Bell Helicopter
16/210469	12/5/2018		USA	Reduced Height Swastplate Support Over Gearbox-IP1605664	Bell Helicopter
201811479471.X	12/5/2018		China	China for ParentIP17-008-IPFF1819599	Bell Helicopter
16/212045	12/6/2018		USA	IP53-012-TRAN180071707	Bell Helicopter
18210655.9	12/6/2018		EPC	EPC for ParentHybrid Rotorcraft Transmission Lubrication System-IPFF1819582	Bell Helicopter
18210657.5	12/6/2018		EPC	EPC for ParentIndependent Rotorcraft Transmission Lubrication Systems-IPFF1819591	Bell Helicopter
18210894.4	12/6/2018		EPC	EPC for ParentLarge Volume Imbedded Fuselage Fuel Tank Pressure Vessel Design Load Carrying-IPFF1819589	Bell Helicopter
16/213575	12/7/2018		USA	Measuring Oil Tank Level Using Accelerometers-TRAN180072817	Bell Helicopter
18211159.1	12/7/2018		EPC	EPC for ParentMethod for enhanced fuel cell protection from adjacent damaged components-IPFF1819602	Bell Helicopter
16/214735	12/10/2018		USA	UAV Switchable Oxygen - Air Cathode Supply Source-TRAN180072934	Bell Helicopter
16/214765	12/10/2018		USA	Autonomous Hydrogen Refueling-TRAN180072937	Bell Helicopter
16/214764	12/10/2018		USA	Mobile Autonomous Hydrogen Refueling Station-TRAN180072938	Bell Helicopter
16/215180	12/10/2018		USA	Modulation of gas turbine engine blade cooling for increased engine performance-TRAN180072855	Bell Helicopter

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18211495 9	12/11/2018		EPC	EPC for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch	Bell Helicopter
18212462 8	12/13/2018		EPC	Motor Modules-IPFF 1819555	Bell Helicopter
18212490 9	12/13/2018		EPC	EPC for ParentCabin Door-IPFF 1819600	Bell Helicopter
18222365 3	12/18/2018		USA	EPC for ParentReverse RPM Autois-IPFF 1819619	Bell Helicopter
18222433 0	12/18/2018		USA	Charging Dockusa-IP1707061	Bell Helicopter
18222451 7	12/18/2018		USA	Pressure Tap Support-IRAN180072845	Bell Helicopter
16227488	12/20/2018		USA	Friend/foe Confirmation-IRAN180072820	Bell Helicopter
16229296	12/21/2018		USA	Using machine learning characterization of aircraft data to identify anomalous conditions for which data recording/transmission is needed (and ignoring the cases where everything is normal)-TRAN180072816	Bell Helicopter
18215801 4	12/21/2018		EPC	P53-006 mast lockout system-IRAN180070048	Bell Helicopter
18215802 2	12/21/2018		EPC	EPC for ParentSystem and Method for Ensuring Long Battery Life of Wireless Sensors on a Component Through Sequential Use of Redundant Sensors-IPFF 1819569	Bell Helicopter
16231524	12/23/2018		USA	EPC for ParentSystem and Method for Finding and Charging battery powered embedded sensors-IPFF 1819587	Bell Helicopter
201811640469 6	12/29/2018		China	Duct Design for Augmented Thrust Capability-IRAN180072778	Bell Helicopter
18216007 7	12/31/2018		EPC	China for ParentBlockchain Method for Air traffic Control-IPFF 1819597	Bell Helicopter
				EPC for ParentP17-024-IPFF 1819678	Bell Helicopter

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