

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.	01/10/2018
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:	16789888
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:	IN021-17 C1
NAME OF SUBMITTER:	LAWRENCE R. YOUST
SIGNATURE:	/Lawrence R. Youst/
DATE SIGNED:	02/19/2020
Total Attachments: 20	
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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, 2017 and up to December 31, 2017: (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

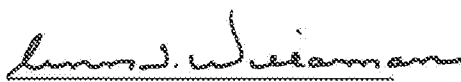
Bell Helicopter Rhode Island has assigned, and transferred, and by these presents, Bell Helicopter Rhode Island hereby does assign, transfer, and deliver to Innovations, its successors, assigns, and legal representatives the whole of any and whatever right, title, and interest Bell Helicopter Rhode Island 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, 2018.

Bell Helicopter Textron Inc.

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

Bell Helicopter Rhode Island Inc.

By: 
Name: James Runstadler
Title: President

Textron Innovations Inc.

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

Exhibit A

PATENTS AND PATENT APPLICATIONS

2017 Bell Patent Asgmt Schedule

Application Number	Filing Date	Patent Number	Date Issued	Country	Title	Assignee
15/398919	1/5/2017			USA	Slit-in-Plane and Soft-out-of-Plane Rotor System using High Lock Numbers Blades ... no Hub Dampers Needed-IP1504704	Bell Helicopter
15/401979	1/9/2017			USA	Door Latch Mechanism for Land Based Doors on Aircrafts-IP1604833	Bell Helicopter
15/401968	1/9/2017			USA	Door Latch Mechanism for Land Based Doors or Aircraft-IP1604832	Bell Helicopter
15/401233	1/9/2017			USA	In-Plane Dual Teetering Tail Rotor Hub-IP1504585	Bell Helicopter
15/403266	1/11/2017			USA	Rotorcraft Recess Structure Design for Enhanced Fuel Cell Protection-IP1604785	Bell Helicopter
15/406248	1/12/2017			USA	525 Modular Floor Seat Attachment Concept-IP1604943	Bell Helicopter
15/406271	1/12/2017			USA	525 Modular Floor Seat Attachment Concept-IP1604952	Bell Helicopter
15/406284	1/12/2017			USA	525 Modular Floor Seat Attachment Concept-IP1604953	Bell Helicopter
IP1404068	1/15/2017			USA	Crowning of a Spline in a Direction Perpendicular to the Tooth Face-IP1404068	Bell Helicopter
15/407486	1/17/2017			USA	Full bearing housing shear attachment for the Proprotor Gear Box attachment in a fixed engine, pylon over wing arrangement of tiltrotor aircraft-IP1403911	Bell Helicopter
15/407471	1/17/2017			USA	Full pillow block bearing housing pylon mounting arrangement for the Proprotor Gear Box attachment in a fixed engine, pylon over wing arrangement of tiltrotor aircraft-IP1403908	Bell Helicopter
15/407449	1/17/2017			USA	High Stiffness Journal Bearing Configuration for Rotating Proprotor Gearbox Support-IP1403863	Bell Helicopter
15/407481	1/17/2017			USA	Use of monoball, spherical bearings for the attachment of the rotating Proprotor Gear Box in a fixed engine, pylon over wing arrangement of tiltrotor aircraft-IP1403909	Bell Helicopter
15/409996	1/19/2017			USA	Clamped Spline Engine Mount-IP1605198	Bell Helicopter
15/409971	1/19/2017			USA	Engine Mount with Decoupled Stiffness Tailoring Capability-IP1604723	Bell Helicopter
15/410015	1/19/2017			USA	Pinned Beam Engine Mount-IP1605199	Bell Helicopter
15/410416	1/19/2017			USA	Process for Transforming Bulk Raw Composite Material into Columnar Geometric Stacking Units for the Purpose of Fabricating Large Cell Composite Core-IP1303452	Bell Helicopter
15/410706	1/19/2017			USA	Sleeved Bolt for Tight Clearance Installation-IP1605761	Bell Helicopter
15/410036	1/19/2017			USA	Tapered Socket Engine Mount-IP1605200	Bell Helicopter
15/410993	1/20/2017			USA	USA for ParentPolycarbonate Windshield Assembly-IPFF1704711	Bell Helicopter
15/414181	1/24/2017			USA	Low Cost Hybrid Sandwich Honeycomb Core Construction for Structural Applications-IP1604778	Bell Helicopter
15/417113	1/26/2017			USA	Method of Attaching a Gearbox which Permits Thermal Growth while Maintaining Drive System Alignment-IP1403861	Bell Helicopter
15/418652	1/27/2017			USA	Tail Structure Damper for Rotorcraft-IP1604726	Bell Helicopter
17153860.6	1/31/2017			EPC	EPC for ParentEngine Mount with Decoupled Stiffness Tailoring Capability-IPFF1604694	Bell Helicopter
15/422866	2/2/2017			USA	Go-Around Mode-IP1604973	Bell Helicopter
15/423939	2/3/2017			USA	Broadgoods Wing Airframe Structure Construction-IP1403903	Bell Helicopter
15/423981	2/3/2017			USA	Broadgoods Wing Airframe Structure Construction-IP1605532	Bell Helicopter

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15/424568	2/3/2017		USA	Closed Angle Composite Spars for Affordable Wing-IP1403864	Bell Helicopter
15/424565	2/3/2017		USA	Directed Convection Heating of Adhesive Bondlines-IP1504196	Bell Helicopter
15/424402	2/3/2017		USA	Integrated spar splice and rib post-IP1403913	Bell Helicopter
15/424095	2/3/2017		USA	Large Cell Carbon Core (LCCC) Ribs and Bulkheads-IP1403904	Bell Helicopter
15/423868	2/3/2017		USA	Large Scale Determinant Assembly Process for Wing Construction-IP1403905	Bell Helicopter
15/424338	2/3/2017		USA	Structural configuration for a large cell carbon core sandwich panel which utilizes zee shaped details to transfer shear from inner to outer laminate and close-out the core from fluid intrusion-IP1604915	Bell Helicopter
15/424526	2/3/2017		USA	Variable in-flight wing fold system-IP1604779	Bell Helicopter
17154653.4	2/3/2017		EPC	EPC for ParentDoor Latch Mechanism for Land Based Doors or Aircraft-IPFF1704721	Bell Helicopter
17154708.6	2/3/2017		EPC	EPC for ParentRotorcraft Recess Structure Design for Enhanced Fuel Cell Protection-IPFF1704720	Bell Helicopter
EP17154691.4	2/3/2017		EPC	EPC for ParentDoor Latch Mechanism for Land Based Doors on Aircrafts-IPFF1704719	Bell Helicopter
EP17154716.9	2/3/2017		EPC	EPC for ParentRotor blade balance weight system with adjustability through blade tip-IPFF1704722	Bell Helicopter
15/424801	2/4/2017		USA	Rotorcraft Power Demand Anticipation Systems-IP1403746	Bell Helicopter
17154785.4	2/6/2017		EPC	EPC for ParentStiff-in-Plane and Soft-out-of-Plane Rotor System using High Lock Numbers Blades ... no Hub Dampers Needed-IPFF1704718	Bell Helicopter
17154891.0	2/6/2017		EPC	EPC for ParentBulkheads Wing Airframe Structure Construction-IPFF1704705	Bell Helicopter
17154892.8	2/6/2017		EPC	EPC for ParentLarge Cell Carbon Core (LCCC) Ribs and Bulkheads-IPFF1704707	Bell Helicopter
15/426560	2/7/2017		USA	Ax-Stabilization-IP1604967	Bell Helicopter
15/426085	2/7/2017		USA	USA for ParentSituation Response Audio System-IPFF1604699	Bell Helicopter
17155027.0	2/7/2017		EPC	EPC for ParentBulkheads Wing Airframe Structure Construction-IPFF1704704	Bell Helicopter
17155085.8	2/7/2017		EPC	EPC for ParentLarge Scale Determinant Assembly Process for Wing Construction-IPFF1704709	Bell Helicopter
2957551	2/8/2017		Canada	Canada for ParentBulkheads Wing Airframe Structure Construction-IPFF1704706	Bell Helicopter
2957557	2/8/2017		Canada	Canada for ParentLarge Cell Carbon Core (LCCC) Ribs and Bulkheads-IPFF1704708	Bell Helicopter
2957560	2/8/2017		Canada	Canada for ParentLarge Scale Determinant Assembly Process for Wing Construction-IPFF1704710	Bell Helicopter
17155735.8	2/10/2017		EPC	EPC for ParentHigh Authority Stability and Control Augmentation System (SCAS)-IPFF1704729	Bell Helicopter
15/430956	2/13/2017		USA	Clevis Adapter Fitting for Rotor Blade Folding Joint-IP1504176	Bell Helicopter
17155809.1	2/13/2017		EPC	EPC for ParentA testing method and design ? disk bending shear (DBS) test for interlaminar shear strength with static, fatigue, or impact loads-IPFF1704716	Bell Helicopter
2957679	2/13/2017		Canada	Canada for ParentA testing method and design ? disk bending shear (DBS) test for interlaminar shear strength with static, fatigue, or impact loads-IPFF1704717	Bell Helicopter

2017 Bell Patent Asgmt Schedule

15/432910	2/14/2017		USA	Tilt Rotor System that is Stiff-in-plane with high lock number blade-IP1604705	Bell Helicopter
15/434012	2/15/2017		USA	Vacuum Thermal Barrier Heat Protection of a Driveshaft-IP1604743	Bell Helicopter
17156379.4	2/15/2017		EPC	EPC for Parent/Tilt Rotor System that is Stiff-in-plane with high lock number blade-IPFF1704733	Bell Helicopter
15/434603	2/16/2017		USA	Method for supporting a planetary carrier-IP1604707	Bell Helicopter
15/435033	2/16/2017		USA	Position Hold Error Calculation and Logic-IP1604964	Bell Helicopter
15/436225	2/17/2017		USA	Control Law to maximize flap/aileron performance with minimum actuator capability-IP1604719	Bell Helicopter
15/438412	2/21/2017		USA	USA for Parent/Takeoff Landing Touchdown Protection Management System-IPFF1704734	Bell Helicopter
15/438972	2/22/2017		USA	BAT CAVE- Tilt Rotor aircraft with Cycloid fans on ICDS-IP1605709	Bell Helicopter
15/439728	2/22/2017		USA	Method of Increasing Power in a Turboshaft Engine by Injecting an Oxidizer and a Water/Alcohol Mixture into the Engine Inlet-IP1102850	Bell Helicopter
15/440044	2/23/2017		USA	Quick Release Coupler Apparatus-IP1604742	Bell Helicopter
15/437196	2/27/2017		USA	Bonded Joint with Integral Dis-Bond Arrest Features-IP1403860	Bell Helicopter
15/443493	2/27/2017		USA	Reverse Tactile Cue for RPM Overspeed Protection-IP1604985	Bell Helicopter
15/443826	2/27/2017		USA	Standard Rate Turn Pedal Beep-IP1604980	Bell Helicopter
15/446911	3/1/2017		USA	TRC Transition Smoothing-IP1604963	Bell Helicopter
15/448136	3/2/2017		USA	PRGB Bogie Mechanism-IP1605312	Bell Helicopter
15/447966	3/2/2017		USA	Tiltrotor With Optimized Hover Performance-IP1605624	Bell Helicopter
201710125210.7	3/3/2017		China	China for Parent/Collision Avoidance and Warning System-IPFF1704737	Bell Helicopter
173519	3/9/2017		Canada	Canada for Parent/V-247-IPFF1704736	Bell Helicopter
003793579	3/10/2017		EPC	EPC for Parent/V-247-IPFF1704735	Bell Helicopter
15/456525	3/14/2017		USA	Anti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IP1504617	Bell Helicopter
201730072691.0	3/14/2017		China	China for Parent/V-247-IPFF1704738	Bell Helicopter
15/459781	3/15/2017		USA	LIVE Pylon for Sikorsky-Style X2/Advancing Blade Concept High Speed Rotorcraft-IP1203223	Bell Helicopter
15/464084	3/20/2017		USA	Direction Heading Control at High Speeds-IP1604976	Bell Helicopter
15/463773	3/20/2017		USA	Double Drilled Fasteners-IP1605662	Bell Helicopter
15/463879	3/20/2017		USA	Furne Tight Sock Collector Box-IP1606087	Bell Helicopter
15/466417	3/21/2017		USA	Blended Air Data and Inertial Feedback for Longitudinal Control-IP1604984	Bell Helicopter
15/464822	3/21/2017		USA	Method to Create Composite Wrinkle Test Specimens (17-017)-IP1706670	Bell Helicopter
15/464681	3/21/2017		USA	Method to Create Tubular Composite Wrinkle Test Specimens 17-016-IP1706668	Bell Helicopter
15/466825	3/22/2017		USA	4 Link CV Joint and other features for Large Tilt Rotor Aircraft-IP1605740	Bell Helicopter
15/466655	3/22/2017		USA	V-280 - Patent for Dual Hyd System with Common Reservoir-IP1706733	Bell Helicopter
15/469463	3/24/2017		USA	Variable Inertia Low Vibration Composite Rotor Blade Design-IP1203290	Bell Helicopter

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17163294.6	3/28/2017		EPC	EPC for Parent Tail Siting/Landing UAV with Counter Rotating Helicopter Rotors that Stop in Flight to Become Four Wings with a Pusher Prop in the Tail for Cruise Flight-IPFF1704742	Bell Helicopter
17163295.3	3/28/2017		EPC	EPC for Parent Tail Siting/Landing UAV with counter rotating rotors of two diameters with the lower larger diameter rotor stopping in flight to become two wings while the smaller upper rotor continues to turn-IPFF1704743	Bell Helicopter
17163296.1	3/28/2017		EPC	EPC for Parent Tiling Ducted Fan Aircraft with a cycloidal fan pitch control device.-IPFF1704741	Bell Helicopter
15477582	4/3/2017		USA	Helicopter with Wing Augmented Lift and Laterally Opposed Propulsive Thrust Ducted Fans-IP1604823	Bell Helicopter
15477889	4/3/2017		USA	Multi-Thrued Conditional Analysis Engine-IP1604750	Bell Helicopter
15477944	4/3/2017		USA	Pseudo Position Hold at High Latitudes-IP1604965	Bell Helicopter
2963402	4/4/2017		Canada	Canada for Parent/Rotorcraft Fall Resistant Protection Attach Points and Mechanism Systems-IPFF1704715	Bell Helicopter
15480152	4/5/2017		USA	Zero-knot Vmini-IP1604966	Bell Helicopter
15482894	4/7/2017		USA	H-Stab Mounts-IP1606083	Bell Helicopter
15482616	4/7/2017		USA	Teetering Tail Rotor Yoke with Triple Bearings-IP1605205	Bell Helicopter
17165598.8	4/7/2017		EPC	EPC for Parent/Rotorcraft Fall Resistant Protection Attach Points and Mechanism Systems-IPFF1704714	Bell Helicopter
15483652	4/10/2017		USA	Helicopter with Twin Vertical Cross-Flow Fans to Provide Anti-Torque and Thrust-IP1604914	Bell Helicopter
15483602	4/10/2017		USA	Method for Re-directing the thrust of a variable pitch, reversible cross-flow fan-IP1604894	Bell Helicopter
15483341	4/10/2017		USA	VTOL Aircraft with common lift and propulsion system utilizing wing with imbedded cross-flow fan-IP1604893	Bell Helicopter
15484894	4/11/2017		USA	Default in-Detent Vertical Speed / Altitude Hold-IP1604981	Bell Helicopter
15484724	4/11/2017		USA	Pilot and Co-Pilot J-Track Seats-IP1604929	Bell Helicopter
15488217	4/14/2017		USA	Shielded Structure-IP1203423	Bell Helicopter
15490796	4/18/2017		USA	Push Out Bubble Window-IP1606084	Bell Helicopter
17166689	4/18/2017		EPC	EPC for Parent/Low Cost Hybrid Sandwich Honeycomb Core Construction for Structural Applications-IPFF1704809	Bell Helicopter
15491483	4/19/2017		USA	Deployable Apparatus to Prevent Helicopter Rollover-IP1604827	Bell Helicopter
15492274	4/20/2017		USA	USA for Parent/Systems and Methods of Constructing Composite Assemblies-IPFF1704845	Bell Helicopter
17167434.4	4/20/2017		EPC	EPC for Parent/Blended Air Data and Inertial Feedback for Longitudinal Control-IPFF1704811	Bell Helicopter
15494071	4/21/2017		USA	Split Winglet to reduce wing tip vortex induced drag-IP1604935	Bell Helicopter
15495762	4/24/2017		USA	Interconnected Driveshaft Clutch-IP1604850	Bell Helicopter
15497113	4/25/2017		USA	Center Pedestal Display-IP1604787	Bell Helicopter
15496357	4/25/2017		USA	Fuel Access Cover and Frangible Clip Design-IP1403858	Bell Helicopter
15497055	4/25/2017		USA	USA for Parent/Method of Attaching a Gearbox which Permits Thermal Growth while Maintaining Drive System Alignment-IPFF1704833	Bell Helicopter
17168195.0	4/26/2017		EPC	EPC for Parent/Default in-Detent Vertical Speed / Altitude Hold-IPFF1704842	Bell Helicopter
17168208.1	4/26/2017		EPC	EPC for Parent/Electric Cold Cycle Pressure Jet Propulsion-IPFF1604686	Bell Helicopter
17168276.8	4/26/2017		EPC	EPC for Parent/Center Pedestal Display-IPFF1704846	Bell Helicopter

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15/589876	5/8/2017	USA	Ethanol Fuel Cell Powered All Electric Aircraft (Aircraft Power System)-IP1706745	Bell Helicopter
15/589885	5/8/2017	USA	Ethanol powered aircraft (Ethanol-Fueled Fuel Cell Powered Aircraft)-IP1706746	Bell Helicopter
15/580736	5/9/2017	USA	Tail Rotor Integrated Damper Attachment-IP1606070	Bell Helicopter
2966820	5/9/2017	Canada	Canada for ParentVehicle Health Data Trend Review Management System and Method-IPF1704848	Bell Helicopter
15/591705	5/10/2017	USA	Air-to-Ground Stores Adapter for AH-1Z Wingtip Stations 1 and 6-IP1604727	Bell Helicopter
15/593241	5/11/2017	USA	Horizontal Stabilizer Tail Airfoil-IP1606085	Bell Helicopter
15/593304	5/11/2017	USA	Vertical Fin Airfoil-IP1606086	Bell Helicopter
2967221	5/11/2017	Canada	Canada for ParentForward Folding Rotor Blades-IPF1704659	Bell Helicopter
2967228	5/11/2017	Canada	Canada for ParentVertical Take Off and Landing Closed Wing Aircraft-IPF1704857	Bell Helicopter
15/594393	5/12/2017	USA	Active Lateral Shuffle Filter-IP1604979	Bell Helicopter
15/594360	5/12/2017	USA	Anti-Ice System for Thermally Fragile Materials-IP1404085	Bell Helicopter
15/593575	5/12/2017	USA	Distributed Propulsion System for Vertical Take Off and Landing Closed Wing Aircraft-IP1604793	Bell Helicopter
15/593521	5/12/2017	USA	Forward Folding Rotor Blades-IP1604792	Bell Helicopter
15/593458	5/12/2017	USA	Hydraulic Distributed Propulsion-IP1604780	Bell Helicopter
15/593607	5/12/2017	USA	Modular Fuselage Sections for Vertical Take Off and Landing Distributed Airframe Aircraft-IP1604794	Bell Helicopter
15/593956	5/12/2017	USA	Powerplant Exhaust Soft Mounting-IP1605150	Bell Helicopter
15/593554	5/12/2017	USA	Vertical Take Off and Landing Closed Wing Aircraft-IP1604770	Bell Helicopter
17170905.8	5/12/2017	EPC	EPC for ParentHydraulic Distributed Propulsion-IPF1704854	Bell Helicopter
17170906.6	5/12/2017	EPC	EPC for ParentForward Folding Rotor Blades-IPF1704858	Bell Helicopter
17170907.4	5/12/2017	EPC	EPC for ParentVertical Take Off and Landing Closed Wing Aircraft-IPF1704856	Bell Helicopter
2967402	5/12/2017	Canada	Canada for ParentHydraulic Distributed Propulsion-IPF1704855	Bell Helicopter
15/594588	5/13/2017	USA	Tilt Rotor Spherical Mirrored gimbaled rotor-IP1604771	Bell Helicopter
15/596469	5/16/2017	USA	Software Video Combiner-IP1604990	Bell Helicopter
15/597886	5/17/2017	USA	APU Cowl with Structural Hand Holds that Serve as Maintenance Position Bumpers-IP1606075	Bell Helicopter
17164641.7	5/17/2017	EPC	EPC for ParentGo-Around Mode-IPF1704730	Bell Helicopter
15/598343	5/18/2017	USA	Foldable and Collapsible Spinner Dome-IP1706656	Bell Helicopter
15/598842	5/18/2017	USA	USA for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPF1704875	Bell Helicopter
2967974	5/18/2017	Canada	Canada for ParentStructurally Biased Proprietary Blade Assembly-IPF1704869	Bell Helicopter
15/600229	5/19/2017	USA	USA for ParentGimbaled Tail Rotor Hub w/Spherical Elastomeric C.F. Bearing for Blade Retention and Pitch Change Articulation-IPF1704873	Bell Helicopter
17172046.9	5/19/2017	EPC	EPC for ParentPilot and Co-Pilot J-Track Seats-IPF1704849	Bell Helicopter
15/601658	5/22/2017	USA	Adhesively Joining Airframe Members at Solid Insert-IP1706854	Bell Helicopter
15/601679	5/22/2017	USA	Mechanically Joining Airframe Members at Solid Insert-IP1706855	Bell Helicopter

2017 Bell Patent Asgmt Schedule

15/603919	5/23/2017			USA	USA for ParentSoft Inplane and Stiff Out-of-Plane Rotor System-IPFF1704868	Bell Helicopter
15/603119	5/23/2017			USA	USA for ParentAdjustable Blade-to-Hub Lead-Lag Damper Attachment-IPFF1704843	Bell Helicopter
2966229	5/24/2017			Canada	Canada for ParentEquivalent Fleet Reliability - Structural Reliability Assessment Method-IPFF1704834	Bell Helicopter
15/605613	5/25/2017			USA	Duck Whacker Extractor-IP1504584	Bell Helicopter
15/605545	5/25/2017			USA	Optimized Spinner Design for Reduced Drag-IP1605625	Bell Helicopter
15/606242	5/26/2017			USA	Aircraft having a Versatile Propulsion System-IP1706832	Bell Helicopter
15/606213	5/26/2017			USA	Aircraft having M-Wings-IP1706728	Bell Helicopter
15/606197	5/26/2017			USA	Aircraft having Omnidirectional Ground Maneuver Capabilities-IP1706831	Bell Helicopter
15/606163	5/26/2017			USA	Aircraft with Active Aerosurfaces-IP1706727	Bell Helicopter
15/606257	5/26/2017			USA	Rotor Assembly having Collective Pitch Control-IP1706729	Bell Helicopter
15/607001	5/26/2017			USA	Tilt-Rotor Whirl Stability Augmentation-IP1605309	Bell Helicopter
15/608385	5/30/2017			USA	Electrical Bus Arrangement for Ice Protection Systems-IP1604911	Bell Helicopter
15/608634	5/30/2017			USA	Virtual Load Group-IP1604960	Bell Helicopter
15/608958	5/30/2017			USA	Visual Sensor 2D & 3D System for Tail Rotor Situational Awareness and Pilot Warning-IP1605626	Bell Helicopter
15/608696	5/30/2017			USA	USA for ParentPower Safety Instrument System-IPFF1704777	Bell Helicopter
15/609779	5/31/2017			USA	Rotor Break effect by using EDAT generators and opposing electric motor thrust to slow the main rotor-IP1706834	Bell Helicopter
15/611813	6/2/2017			USA	Composite Mast for Rotor Craft-IP1604849	Bell Helicopter
171742638	6/2/2017			EPC	EPC for ParentVariable Directional Thrust for Helicopter Tail Anti-Torque System-IPFF1704860	Bell Helicopter
17174294.3	6/2/2017			EPC	Pitch Motor Modules-IPFF1704876	Bell Helicopter
171743370	6/2/2017			EPC	EPC for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704864	Bell Helicopter
2017104085411	6/2/2017			China	China for ParentVariable Directional Thrust for Helicopter Tail Anti-Torque System-IPFF1704862	Bell Helicopter
201710408558.7	6/2/2017			China	China for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704866	Bell Helicopter
201710409135.7	6/2/2017			China	China for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704878	Bell Helicopter
201724019354.0	6/2/2017			India	India for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704867	Bell Helicopter
201724019355.0	6/2/2017			India	India for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704879	Bell Helicopter
201724019356.0	6/2/2017			India	India for ParentVariable Directional Thrust for Helicopter Tail Anti-Torque System-IPFF1704863	Bell Helicopter
2969660	6/2/2017			Canada	Canada for ParentVariable Directional Thrust for Helicopter Tail Anti-Torque System-IPFF1704861	Bell Helicopter
2969663	6/2/2017			Canada	Canada for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704865	Bell Helicopter
2969666	6/2/2017			Canada	Canada for ParentAnti Torque Control Using Matrix of Fixed Blade Pitch Motor Modules-IPFF1704877	Bell Helicopter
171744410	6/5/2017			EPC	EPC for ParentSingle Gauge Monitoring of Multiple Temperatures and/or Pressures-IPFF1704872	Bell Helicopter
15/617804	6/8/2017			USA	Combined Mode Controller and Display Control Unit-IP1203361	Bell Helicopter

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15/617889	6/8/2017	USA	Pop Gun Sabot for Air Cannon Systems-IP1605708	Bell Helicopter
IND039-17	6/12/2017	USA	UAV Rotor System-IP1706856	Bell Helicopter
15/619765	6/12/2017	USA	VTOL Tilting Aircraft with hybrid distributed electric propulsion-IP1706799	Bell Helicopter
15/620310	6/12/2017	USA	Wing Extend and Retract Mechanism-IP1706853	Bell Helicopter
15/621686	6/13/2017	USA	Tilt Rotor Aircraft with a fixed multi-engine nacelle arrangement-IP1604730	Bell Helicopter
15/623328	6/14/2017	USA	BattQat-IP1605863	Bell Helicopter
15/625482	6/16/2017	USA	Tiltrotor Outboard Fixed Engine Configuration with Offset Rotation Spindle and Interconnect Drive Shaft-IP1303548	Bell Helicopter
15/625538	6/16/2017	USA	USA for ParentEnhanced Structural Surface for Foam in Place Detail and Method of Fabrication-IPFF1704905	Bell Helicopter
2968759	6/16/2017	Canada	Canada for ParentOptimized, Repairable Rotor Erosion System-IPFF1704870	Bell Helicopter
15/627393	6/19/2017	USA	Multiple Position ECU Cowl with Single Man Operation-IP1606076	Bell Helicopter
15/627373	6/19/2017	USA	Self Stowing and Deploying in flight Rotor System for a UAV-IP1605627	Bell Helicopter
15/627412	6/19/2017	USA	Two-Piece Firewall and Inlet Plenum-IP1606082	Bell Helicopter
15/627817	6/20/2017	USA	Zero-Fastener Flushmount Balance Weight System Preserving Rotor Blade Tip with Integral Tuning Weight Retention Feature-IP1604828	Bell Helicopter
15/628180	6/20/2017	USA	USA for ParentCollective Pitch Integration with Control Power Management System-IPFF1704844	Bell Helicopter
17177259.3	6/21/2017	EPC	EPC for ParentTRC Transition Smoothing-IPFF1704885	Bell Helicopter
17177261.9	6/21/2017	EPC	EPC for ParentTall Rotor Integrated Damper Attachment-IPFF1704884	Bell Helicopter
15/630535	6/22/2017	USA	USA for ParentBell Wire Cutter System-IPFF1704906	Bell Helicopter
17177527.3	6/22/2017	EPC	EPC for ParentMax-Stabilization-IPFF1704883	Bell Helicopter
17177529.9	6/22/2017	EPC	EPC for ParentPosition Hold Error Calculation and Logic-IPFF1704886	Bell Helicopter
2971890	6/22/2017	Canada	Canada for ParentWork station for Functional Test Procedure (FTP)-IPFF1704841	Bell Helicopter
17177578.6	6/23/2017	EPC	EPC for ParentZero-knot Vmin-IPFF1704882	Bell Helicopter
17177724.6	6/23/2017	EPC	EPC for ParentAircraft Maintenance Feedback System for Improvement of Training, Technical Publications-IPFF1704911	Bell Helicopter
15/633509	6/26/2017	USA	Safety Bypass Valve-IP1604892	Bell Helicopter
15/634903	6/27/2017	USA	USA for ParentFlight Condition Recognition Tracking for Multiple Aircraft Components-IPFF1704880	Bell Helicopter
15/636366	6/28/2017	USA	Rotorcraft Breakaway Cover for Emergency Access-IP1604784	Bell Helicopter
15/636448	6/28/2017	USA	Tilt Rotor Aircraft Articulated Hub wit coincident hinges and the damper force on the PCA-IP1604901	Bell Helicopter
15/636544	6/28/2017	USA	USA for ParentVehicle Health Data Trend Review Management System and Method-IPFF1704913	Bell Helicopter
17178493.7	6/28/2017	EPC	EPC for ParentDirection Heading Control at High Speeds-IPFF1704888	Bell Helicopter
17178494.5	6/28/2017	EPC	EPC for ParentActive Lateral Shuttle Filter-IPFF1704900	Bell Helicopter
15/639655	6/29/2017	USA	Mobile Biplendulum Impact Test Machine-IP1706673	Bell Helicopter
15/638345	6/29/2017	USA	Tilt Rotor with damping in the wing to increase airplane stability-IP1605741	Bell Helicopter

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17179010.8	6/30/2017		EPC	EPC for Parent Aircraft having a Versatile Propulsion System-IPFF1704922	Bell Helicopter
2972527	6/30/2017		Canada	Canada for Parent Aircraft having a Versatile Propulsion System-IPFF1704923	Bell Helicopter
2972528	6/30/2017		Canada	Canada for Parent VTOL flying frame maintaining a pod assembly in a generally horizontal attitude during VTOL, forward flight and transitions therebetween-IPFF1704921	Bell Helicopter
15/642279	7/5/2017		USA	USA for Parent System for Assisting the Vertical Axis and Controlling Rotor Speed after a Dual Engine Failure-IPFF1704903	Bell Helicopter
17179897.8	7/5/2017		EPC	EPC for Parent Electrical Bus Arrangement for Ice Protection Systems-IPFF1704914	Bell Helicopter
15/642525	7/6/2017		USA	Fixed Outboard Engine Tiltrotor with Leading Edge Drive System and Angled Rotation Spindle Configuration-IP1303547	Bell Helicopter
17180144.2	7/6/2017		EPC	EPC for Parent Inlet Duct Selector for Tiltrotor Barrier Filter -FVL-IPFF1704907	Bell Helicopter
2972722	7/6/2017		Canada	Canada for Parent Inlet Duct Selector for Tiltrotor Barrier Filter -FVL-IPFF1704908	Bell Helicopter
2972723	7/6/2017		Canada	Canada for Parent Deployable Apparatus to Prevent Helicopter Roll-over-IPFF1704910	Bell Helicopter
17180323.2	7/7/2017		EPC	EPC for Parent Pseudo Position Hold at High Latitudes-IPFF1704887	Bell Helicopter
2972878	7/7/2017		Canada	Canada for Parent Variable Lower Limit Collective Governor Designed to Improve OEI and AEI Recovery-IPFF1704851	Bell Helicopter
15/645671	7/10/2017		USA	Apparatus and Method for Providing Towable, on Aircraft Storage of Main Rotor Blades-IP1706644	Bell Helicopter
15/645110	7/10/2017		USA	Variable Radius Pitch Horn-IP1706666	Bell Helicopter
15/646894	7/11/2017		USA	State Comparison between FCC Processors-IP1604961	Bell Helicopter
15/646546	7/11/2017		USA	USA for Parent Increased Capacity Spherical Lined Bearings-IPFF1704932	Bell Helicopter
15/646680	7/11/2017		USA	USA for Parent Method and Apparatus for Aircraft Sensor and Actuator Failure Protection Using Reconfigurable Flight Control Laws-IPFF1704931	Bell Helicopter
15/648650	7/13/2017		USA	Inboard bearing assy-IP1706873	Bell Helicopter
15/649217	7/13/2017		USA	Variable Speed Drive System Configuration for Tiltrotor with Fixed Engine and Rotating Propeller-IP1504168	Bell Helicopter
17181234.0	7/13/2017		EPC	EPC for Parent Virtual Load Group-IPFF1704920	Bell Helicopter
17182195.2	7/19/2017		EPC	EPC for Parent In-Plane Dual Teetering Tail Rotor Hub-IPFF1704915	Bell Helicopter
17182197.8	7/19/2017		EPC	EPC for Parent H-Stab Mounts-IPFF1704919	Bell Helicopter
2974171	7/19/2017		Canada	Canada for Parent Flight Control Laws for Automatic Hover Hood-IPFF1704933	Bell Helicopter
15/654926	7/20/2017		USA	Maneuver Flapping Controller-IP1605314	Bell Helicopter
17182459.2	7/20/2017		EPC	EPC for Parent Fume Tight Sock Collector Box-IPFF1704930	Bell Helicopter
2974257	7/20/2017		Canada	Canada for Parent In-Plane Dual Teetering Tail Rotor Hub-IPFF1704916	Bell Helicopter
15/656420	7/21/2017		USA	Method of avoiding gear tooth interference under a deflection from a split planet pinion gear-IP1706885	Bell Helicopter
15/656929	7/21/2017		USA	Pitch Link with Track Adjustment Indicators-IP1606069	Bell Helicopter
15/656487	7/21/2017		USA	Planetary Pinion Gear Having Failure Mode Optimized for Continued System Operation-IP1203274	Bell Helicopter

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15/658190	7/24/2017		USA	Tilt Rotor Hub with Hooke's joint and torsional 2/rev attenuation features-IP1604937	Bell Helicopter
17182786.8	7/24/2017		EPC	EPC for ParentDeployable Apparatus to Prevent Helicopter Rollover-IPFF1704909	Bell Helicopter
15/659272	7/25/2017		USA	Conical Shear Boss for Centrifugal Force Bearing-IP1605065	Bell Helicopter
15/658928	7/25/2017		USA	Integrally Strengthened Additively Manufactured Rotor Blade for Rotorcraft-IP1604931	Bell Helicopter
15/659427	7/25/2017		USA	USA for ParentComposite Core and Method of Making Same-IPFF1704950	Bell Helicopter
15/661129	7/27/2017		USA	Pyron Rotation Faring-IP1708658	Bell Helicopter
15/662147	7/27/2017		USA	Tiltrotor Common Lift Propulsion System-IP1604923	Bell Helicopter
15/662257	7/27/2017		USA	VTOL Aircraft with Four-Bar Linkage Tilting Wing-IP1706798	Bell Helicopter
17184462.4	7/27/2017		EPC	EPC for ParentVariable Speed Drive System Configuration for Tiltrotor with Fixed Engine and Rotating Proprotor-IPFF1704948	Bell Helicopter
15/663804	7/30/2017		USA	Work station for Functional Test Procedure (FTP)-IP1706828	Bell Helicopter
15/664809	7/31/2017		USA	525 Tail Rotor Span Balance Pocket-IP1604987	Bell Helicopter
15/664308	7/31/2017		USA	Open Relay Panel-IP1606090	Bell Helicopter
15/666449	8/1/2017		USA	Centrifugal Force Bearing Geometry for Reduced Weight-IP1608066	Bell Helicopter
15/665627	8/1/2017		USA	Integrated Stepping Cowl-IP1606080	Bell Helicopter
17184359.2	8/1/2017		EPC	EPC for ParentState Comparison between FCC Processors-IPFF1704937	Bell Helicopter
15/666654	8/2/2017		USA	525 Main Rotor Span Balance Pocket-IP1604986	Bell Helicopter
15/667499	8/2/2017		USA	Wing Designed to Buckle Under Crash Loads-IP1605206	Bell Helicopter
17185032.4	8/4/2017		EPC	EPC for ParentPush Out Bubble Window-IPFF1704918	Bell Helicopter
15/062087	8/8/2017		USA	Externally adjustable rotor blade span and chord balance weights-IP1706657	Bell Helicopter
17185544.8	8/9/2017		EPC	EPC for ParentMethod for Re-directing the thrust of a variable pitch, reversible cross-flow fan-IPFF1704940	Bell Helicopter
17185565.3	8/9/2017		EPC	EPC for ParentBellHelicopter-IPFF1704926	Bell Helicopter
17185578.6	8/9/2017		EPC	EPC for ParentHelicopter with Twin Vertical Cross-Flow Fans to Provide Anti-Torque and Thrust-IPFF1704943	Bell Helicopter
2976077	8/9/2017		Canada	Canada for ParentHelicopter with Twin Vertical Cross-Flow Fans to Provide Anti-Torque and Thrust-IPFF1704944	Bell Helicopter
2976079	8/9/2017		Canada	Canada for ParentMethod for Re-directing the thrust of a variable pitch, reversible cross-flow fan-IPFF1704941	Bell Helicopter
15/673762	8/10/2017		USA	Engine compartment flammable fluid drainage-IP1705651	Bell Helicopter
17185779.0	8/10/2017		EPC	EPC for Parent525 Modular Floor Seat Attachment Concept-IPFF1704927	Bell Helicopter
17185780.8	8/10/2017		EPC	EPC for Parent525 Modular Floor Seal Attachment Concept-IPFF1704929	Bell Helicopter
17185782.4	8/10/2017		EPC	EPC for ParentAPU Cowl with Structural Hand Holds that Serve as Maintenance Position Bumpers-IPFF1704917	Bell Helicopter
17185783.2	8/10/2017		EPC	EPC for Parent525 Modular Floor Seat Attachment Concept-IPFF1704928	Bell Helicopter
17185823.6	8/10/2017		EPC	EPC for ParentFixed Outboard Engine Tiltrotor with Leading Edge Drive System and Angled Rotation Spindle Configuration-IPFF1704949	Bell Helicopter

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201710680452.2	8/10/2017		China	China for ParentHelicopter with Twin Vertical Cross-Flow Fans to Provide Anti-Torque and Thrust-IPFF1704945	Bell Helicopter
201710680843.4	8/10/2017		China	China for ParentMethod for Re-directing the thrust of a variable pitch, reversible cross-flow fan-IPFF1704942	Bell Helicopter
201710764490.6	8/10/2017		China	China for ParentTilting Ducted Fan Aircraft with a cycloidal fan pitch control device.-IPFF1704947	Bell Helicopter
2976237	8/10/2017		Canada	Canada for ParentTilting Ducted Fan Aircraft with a cycloidal fan pitch control device.-IPFF1704946	Bell Helicopter
17185863.2	8/11/2017		EPC	EPC for ParentRadial Blower Anti-Torque Control for a Tail Rotor-less Rotor Craft-IPFF1704954	Bell Helicopter
17185921.8	8/11/2017		EPC	EPC for ParentManeuver Flapping Controller-IPFF1704951	Bell Helicopter
17186003.4	8/11/2017		EPC	EPC for ParentVariable Inertia Low Vibration Composite Rotor Blade Design-IPFF1704955	Bell Helicopter
15/677985	8/15/2017		USA	Diagnostic System Using Fingers Summation for Detecting Anomalies (FSUM uses tachometer).-IP1706868	Bell Helicopter
15/677962	8/15/2017		USA	Diagnostic System Using Shock Spectrum for Detecting Anomalies (SHSP uses vibration sensors.-IP1706869	Bell Helicopter
15/677786	8/15/2017		USA	Diagnostic System Using Shock Spectrum for Detecting Anomalies (SHSP uses vibration sensors.-IP1706867	Bell Helicopter
15/677505	8/15/2017		USA	Drive System Gearbox Diagnostic System-IP1604891	Bell Helicopter
17186531.4	8/16/2017		EPC	EPC for ParentDrive System Gearbox Diagnostic System-IPFF1704958	Bell Helicopter
17186532.2	8/16/2017		EPC	EPC for ParentDiagnostic System Using Shock Spectrum for Detecting Anomalies (SHSP uses vibration sensors.-IPFF1704959	Bell Helicopter
15/679645	8/17/2017		USA	Collective Power Hold-IP1604971	Bell Helicopter
17186726.0	8/17/2017		EPC	EPC for ParentDiagnostic System Using Fingers Summation for Detecting Anomalies (FSUM uses tachometer).-IPFF1704960	Bell Helicopter
17186730.2	8/17/2017		EPC	EPC for ParentDiagnostic System Using Mean Subynchronous Band Pass For Detecting Anomalies (MSBP uses both tachometer and vibration sensors).-IPFF1704961	Bell Helicopter
15/680501	8/18/2017		USA	CO2 Powered UAV Autogyro-IP1706802	Bell Helicopter
EP17186843.3	8/18/2017		EPC	EPC for ParentMethod of avoiding gear tooth interference under a deflection from a split planet pinion gear-IPFF1704953	Bell Helicopter
EP17186844.1	8/18/2017		EPC	EPC for ParentPlanetary Pinion Gear Having Failure Mode Optimized for Continued System Operation-IPFF1704952	Bell Helicopter
15/683621	8/22/2017		USA	Stiff-In-Plane Low Hub Moment Tail Rotor Hub Utilizing a Spherical Elastomeric Bearing for Pitch Change and Blade Flapping Articulation and a Rigid Chord-Wise Link-IP1303657	Bell Helicopter
15/684920	8/23/2017		USA	Supplemental Lubrication pressurized by component or reservoir rotation-IP1604828	Bell Helicopter
15/684385	8/23/2017		USA	Tail Rotor Control System for Four or More Blades with a Hub Mounted Delta 3 Adapter Plate and Three Step Over Levers between the Pitch Horn and the Swash Plate-IP1303635	Bell Helicopter
15/684628	8/23/2017		USA	Unsupported Work Platform Door-IP1606079	Bell Helicopter
15/687350	8/25/2017		USA	3D Geodesic Blade Core Made from Fiber-Reinforced Spherical Elements-IP1303638	Bell Helicopter

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15/687788	8/28/2017		USA	Environmental Doghouse-IP1606089	Bell Helicopter
15/688165	8/28/2017		USA	Unmanned VTOL Cargo Transportation System-IP1706860	Bell Helicopter
15/688164	8/28/2017		USA	USA for ParentRotorcraft Fly-By-Wire Control Laws-IP1704912	Bell Helicopter
15/681278	8/30/2017		USA	Method for Filling a Hole in a Composite Part-IP1504593	Bell Helicopter
15/683397	8/31/2017		USA	Tilt Rotor Control System for Four or More Blades with the Swash Plate Mounted to the Yoke Rest Frame and Delta 3 Set by Upper Actuator Joint in the Non-Rotating System-IP1303493	Bell Helicopter
17/88819.9	8/31/2017		EPC	EPC for ParentCollective Power Hold-IP1704964	Bell Helicopter
15/694686	9/1/2017		USA	Tailored Rotor Blade Ice Protection System-IP1605628	Bell Helicopter
15/695738	9/5/2017		USA	Multiple Position Arrest for Cyclic and Collective Controls-IP1606071	Bell Helicopter
15/699977	9/8/2017		USA	Elastomeric Shear Bearing Support for Bearingless Rotor Hub Yokes-IP1303454	Bell Helicopter
15/688796	9/8/2017		USA	USA for ParentHubboard bearing assy-IP1704963	Bell Helicopter
17/90420.4	9/11/2017		EPC	EPC for ParentDouble Drilled Fasteners-IP1704977	Bell Helicopter
17/90421.2	9/11/2017		EPC	EPC for ParentConvective Cooling of a Pressurized Gearbox-IP1704970	Bell Helicopter
15/702958	9/13/2017		USA	Active Thermal Management for Fire-Tolerant Drive Systems-IP1605696	Bell Helicopter
15/702912	9/13/2017		USA	Drive System Layout for System Separation, Safety, and Redundancy-IP1605657	Bell Helicopter
15/702882	9/13/2017		USA	Flange Mounted Ring Gear for Improved Heat Management-IP1605670	Bell Helicopter
15/703381	9/13/2017		USA	Protective Labyrinth Seal to Prevent Water Intrusion-IP1605665	Bell Helicopter
17/90775.1	9/13/2017		EPC	EPC for ParentMS05 Tailboom Friction Damper-IP1704971	Bell Helicopter
17/90934.4	9/13/2017		EPC	EPC for ParentMS25 Tail Rotor Span Balance Pocket-IP1704976	Bell Helicopter
15/704355	9/14/2017		USA	Use of Output Shaft Mounted Fan as a Labyrinth Seal to Prevent Water Intrusion-IP1605666	Bell Helicopter
15/706338	9/15/2017		USA	Bi-Fold Engine Cowls with Multiple Maintenance Positions-IP1606073	Bell Helicopter
15/706394	9/15/2017		USA	Combination Inlet Air Scoop and Hand Hold-IP1606077	Bell Helicopter
15/705966	9/15/2017		USA	High Reliability Ice Protection Zone Configuration-IP1706912	Bell Helicopter
15/706366	9/15/2017		USA	Hold Open J-Track Locking Mechanism for Fairings-IP1606074	Bell Helicopter
15/705803	9/15/2017		USA	Oil Filter with Impending Bypass Indicator and Full Bypass Indicator-IP1605678	Bell Helicopter
17/91478.1	9/15/2017		EPC	EPC for ParentMS25 Main Rotor Span Balance Pocket-IP1704972	Bell Helicopter
17/91478.9	9/15/2017		EPC	EPC for ParentVertical Fin Airfoil-IP1704973	Bell Helicopter
17/91651.3	9/18/2017		EPC	EPC for ParentPower Safety Instrument System-IP1704991	Bell Helicopter
17/91711.5	9/18/2017		EPC	EPC for ParentHorizontal Stabilizer Tail Airfoil-IP1704974	Bell Helicopter
17/91712.3	9/18/2017		EPC	EPC for ParentStandard Rate Turn Pedal Bump-IP1704969	Bell Helicopter
29/9607	9/18/2017		Canada	Canada for ParentRotorcraft Tilting Wing Extension with Winglets-IP1704993	Bell Helicopter
29/9628	9/18/2017		Canada	Canada for ParentAnnular V-Tail for Aircraft with Folding Wing-IP1705002	Bell Helicopter
15/708767	9/19/2017		USA	Tail Rotor Margin Awareness-IP1604970	Bell Helicopter

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15/709153	9/19/2017	USA	USA for ParentNovel Articulated Main Rotor Hub with Inwardly Facing CF Bearing and 3% Flapping Hinge Offset-IPFF1705009	Bell Helicopter
15/709203	9/19/2017	USA	USA for ParentAlternative Tilt Rotor Anti-Drive Mechanism for Rise and Fall Rotating Control-IPFF1705010	Bell Helicopter
17191747.9	9/19/2017	EPC	EPC for ParentU Channel Driveshaft Pass-Thru for Tiltrotor Aircraft-IPFF1705000	Bell Helicopter
17191927.7	9/19/2017	EPC	EPC for ParentRotorcraft Tilting Wing Extension with Winglets-IPFF1704992	Bell Helicopter
17191934.3	9/19/2017	EPC	EPC for ParentAnhedral V-Tail for Aircraft with Folding Wing-IPFF1705001	Bell Helicopter
17191972.3	9/19/2017	EPC	EPC for ParentTail Rotor Elastic Spring to Adjust the Axial Spring Rate of the Teetering Bearings-IPFF1704987	Bell Helicopter
201710847965.8	9/19/2017	China	China for ParentRotorcraft Tilting Wing Extension with Winglets-IPFF1704994	Bell Helicopter
15/709536	9/20/2017	USA	Articulating Bifurcated Transition Duct Assembly-IP1605683	Bell Helicopter
15/710797	9/20/2017	USA	Fiber Reinforced Plastic Additive Manufactured Bond Assembly Fixture-IP1706906	Bell Helicopter
15/710811	9/20/2017	USA	Fiber Reinforced Plastic Additive Manufactured Bond Mold for Fiber Reinforced Thermosetting Materials-IP1706909	Bell Helicopter
15/709548	9/20/2017	USA	High Speed Engine Reduction Gearboxes-IP1605060	Bell Helicopter
15/709904	9/20/2017	USA	Nonpressurized Accessory Gearbox-IP1605658	Bell Helicopter
15/709644	9/20/2017	USA	Oil Level Sensor for Gearbox-IP1605675	Bell Helicopter
15/709511	9/20/2017	USA	Redundant Oil Cooling System-IP1605681	Bell Helicopter
15/710622	9/20/2017	USA	Rotorcraft engine inlet configuration to optimize performance in both hover and high speed flight-IP1706655	Bell Helicopter
15/709509	9/20/2017	USA	Two Independently Driven Oil Cooler Fans-IP1605680	Bell Helicopter
17192070.5	9/20/2017	EPC	EPC for ParentModular Payload Bays-IPFF1704999	Bell Helicopter
201710854960.8	9/20/2017	China	China for ParentAnhedral V-Tail for Aircraft with Folding Wing-IPFF1705003	Bell Helicopter
17192413.7	9/21/2017	EPC	EPC for ParentTilt Rotor Hub and Brake System with First-In-Plane Frequency Greater Than 2.0-IPFF1704984	Bell Helicopter
15/713277	9/22/2017	USA	Articulated Hub with Blade to Blade Dampers and back to back dual spherical Elastomeric Bearings-IP1706827	Bell Helicopter
15/713207	9/22/2017	USA	Exhaust Manifold for Combining System Exhaust Plume-IP1606081	Bell Helicopter
17192688.4	9/22/2017	EPC	EPC for ParentHigh Speed Engine Reduction Gearboxes-IPFF1705013	Bell Helicopter
17192689.2	9/22/2017	EPC	EPC for ParentRedundant Oil Cooling System-IPFF1705021	Bell Helicopter
17192690.0	9/22/2017	EPC	EPC for ParentNonpressurized Accessory Gearbox-IPFF1705012	Bell Helicopter
17192691.8	9/22/2017	EPC	EPC for ParentArticulating Bifurcated Transition Duct Assembly-IPFF1705022	Bell Helicopter
17192692.6	9/22/2017	EPC	EPC for ParentGearshaft Mounted Blower Impeller-IPFF1705019	Bell Helicopter
17192693.4	9/22/2017	EPC	EPC for ParentOil Level Sensor for Gearbox-IPFF1705017	Bell Helicopter
17192694.2	9/22/2017	EPC	EPC for ParentTwo Independently Driven Oil Cooler Fans-IPFF1705020	Bell Helicopter
17192695.9	9/22/2017	EPC	EPC for ParentUse of Output Shaft Mounted Fan as a Labyrinth Seal to Prevent Water Intrusion-IPFF1705015	Bell Helicopter
17192696.7	9/22/2017	EPC	EPC for ParentProtective Labyrinth Seal to Prevent Water Intrusion-IPFF1705014	Bell Helicopter

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17192697 5	9/22/2017		EPC	EPC for ParentActive Thermal Management for Fire-Tolerant Drive Systems-IPFF1705023	Bell Helicopter
17192698 3	9/22/2017		EPC	EPC for ParentDrive System Layout for System Separation, Safety, and Redundancy-IPFF1705011	Bell Helicopter
17192699 1	9/22/2017		EPC	EPC for ParentOil Filter with Impending Bypass Indicator and Full Bypass Indicator-IPFF1705018	Bell Helicopter
17192701 5	9/22/2017		EPC	EPC for ParentFlange Mounted Ring Gear for Improved Heat Management-IPFF1705016	Bell Helicopter
15/713835	9/25/2017		USA	USA for ParentRotary Jam-Tolerant Direct Drive Valve Actuator-IPFF1705026	Bell Helicopter
17193024 1	9/25/2017		EPC	EPC for ParentCO2 Powered UAV Autogyro-IPFF1704998	Bell Helicopter
17193390 0	9/26/2017		EPC	EPC for ParentApparatus and Method for Providing Towable, on Aircraft Storage of Main Rotor Blades-IPFF1704975	Bell Helicopter
17193602 4	9/27/2017		EPC	EPC for ParentWing Designed to Buckle Under Crash Loads-IPFF1704995	Bell Helicopter
15/718592	9/28/2017		USA	Rotor Blade Weight - Steel Sock Enclosure with Lead (PB) Interior and Method of Making Same-IP1705829	Bell Helicopter
17193869 9	9/28/2017		EPC	EPC for ParentFoldable Coaxial rotor system-IPFF1704996	Bell Helicopter
15/719807	9/29/2017		USA	USA for Parentall bearing housing shear attachment for the Proprotor Gear Box attachment in a fixed engine, pylon over wing arrangement of tiltrotor aircraft-IPFF1705028	Bell Helicopter
17194263 4	9/29/2017		EPC	EPC for ParentTiltrotor With Optimized Hover Performance-IPFF1704989	Bell Helicopter
15/722672	10/2/2017		USA	Hybrid Gas Generator VTOL Propulsion System-IP1604934	Bell Helicopter
15/722163	10/2/2017		USA	Wing Support Stiffening by Integration of Wing and Airframe Beam Structure (Texas Giant)-IP1605310	Bell Helicopter
15/723510	10/3/2017		USA	USA for ParentRotorcraft Vibration Suppression System with Four Corner Mounts-IPFF1704871	Bell Helicopter
2981223	10/3/2017		Canada	Canada for ParentTail Rotor Elastomeric Spring to Adjust the Axle Spring Rate of the Teetering Bearings-IPFF1704988	Bell Helicopter
15/724669	10/4/2017		USA	Four Motor VTOL Aircraft with Interchangeable or Deployable Payload Feature-IP1706835	Bell Helicopter
15/724649	10/4/2017		USA	Three Motor VTOL Aircraft-IP1706836	Bell Helicopter
17195081 9	10/5/2017		EPC	EPC for ParentUnsupervised Work Platform Door-IPFF1705024	Bell Helicopter
17195083 5	10/5/2017		EPC	EPC for ParentTilt Rotor Control System for Four or More Blades with the Swash Plate Mounted to the Yoke Rest Frame and Delta 3 Set by Upper Actuator Joint in the Non-Rotating System-IPFF1705008	Bell Helicopter
15/726159	10/9/2017		USA	Adaptive Trend Detection for System Health Indicator Data-IP1706643	Bell Helicopter
15/726386	10/9/2017		USA	Variable Chord Proprotor Blade-IP1604936	Bell Helicopter
17195407 6	10/9/2017		EPC	EPC for ParentMultiple Position ECU Cowl with Single Man Operation-IPFF1705006	Bell Helicopter
17195543 8	10/9/2017		EPC	EPC for ParentVariable in-flight wing fold system-IPFF1705007	Bell Helicopter
15/728989	10/10/2017		USA	Acoustic/Elastomeric Mounts for Isolating Devices and Reducing Noise-IP1606078	Bell Helicopter
15/729112	10/10/2017		USA	USA for ParentLubrication System with Passive Drain Valve-IPFF1705057	Bell Helicopter
17195815 0	10/10/2017		EPC	EPC for ParentExternally adjustable rotor blade span and chord balance weights-IPFF1705031	Bell Helicopter

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17195818.4	10/10/2017	EPC	EPC for ParentSoft-In-Plane Tilt Rotor Hub Improvements-IPFF1705038	Bell Helicopter
2982110	10/10/2017	Canada	Canada for ParentTilt Rotor Hub and Brake System with First-In-Plane Frequency Greater Than 2.0-IPFF1704985	Bell Helicopter
17196018.0	10/11/2017	EPC	EPC for ParentStiff-In-Plane Low Hub Moment Tail Rotor Hub Utilizing a Spherical Elastomeric Bearing for Pitch Change and Blade Flapping Articulation and a Rigid Chord-Wise Link-IPFF1705029	Bell Helicopter
17196019.8	10/11/2017	EPC	EPC for ParentTilt Rotor Control System for Four or More Blades with a Hub Mounted Delta 3 Adapter Plate and Three Step Over Levers between the Pitch Horn and the Swash Plate-IPFF1705030	Bell Helicopter
17196020.6	10/11/2017	EPC	EPC for ParentHollow Open J-Track Locking Mechanism for Fairings-IPFF1705035	Bell Helicopter
17196021.4	10/11/2017	EPC	EPC for ParentBi-Fold Engine Cows with Multiple Maintenance Positions-IPFF1705034	Bell Helicopter
17196022.2	10/11/2017	EPC	EPC for ParentSupplemental Lubrication pressurized by component or reservoir rotation-IPFF1705033	Bell Helicopter
17196041.2	10/11/2017	EPC	EPC for ParentRotorcraft engine inlet configuration to optimize performance in both hover and high speed flight-IPFF1705040	Bell Helicopter
15782677	10/12/2017	USA	method for testing materials for wear protection and anti-fretting properties-IP1604882	Bell Helicopter
15785114	10/16/2017	USA	Fluid and Elastomeric Mount Including a Partitioned Compensator-IP1303627	Bell Helicopter
15788464	10/17/2017	USA	Physical Functional Integration for Fault Isolation-IP1606063	Bell Helicopter
15787093	10/18/2017	USA	Articulated Blade to Blade Hub on Composite Static Mast Main Rotor system configuration-IP1706838	Bell Helicopter
15787148	10/18/2017	USA	Spliced Wing/Nacelle Joint-IP1605315	Bell Helicopter
17197188.0	10/18/2017	EPC	EPC for ParentOpen Relay Panel-IPFF1705032	Bell Helicopter
15788506	10/19/2017	USA	Designed Bondline Degradation for Disassembly of Bonded Structures and Assemblies-IP1706917	Bell Helicopter
15788039	10/19/2017	USA	Externally driven fan for vertical lift, propulsion, and anti-torque-IP1606634	Bell Helicopter
2983143	10/19/2017	Canada	Canada for ParentSoft-In-Plane Tilt Rotor Hub Improvements-IPFF1705039	Bell Helicopter
17197649.1	10/20/2017	EPC	EPC for ParentPRGB Bogie Mechanism-IPFF1705041	Bell Helicopter
17197650.9	10/20/2017	EPC	EPC for ParentMethod to Create Composite Wrinkle Test Specimens (17-017)-IPFF1705059	Bell Helicopter
17197651.7	10/20/2017	EPC	EPC for ParentMethod to Create Tubular Composite Wrinkle Test Specimens 17-016-IPFF1705045	Bell Helicopter
17197811.7	10/23/2017	EPC	EPC for ParentPylon Rotation Fairing-IPFF1705043	Bell Helicopter
17197812.5	10/23/2017	EPC	EPC for ParentPRGB Door Track Assembly-IPFF1705042	Bell Helicopter
15792430	10/24/2017	USA	Tilt Rotor Flap Whirl Stability with Hub Shear feedback-IP1706886	Bell Helicopter
15792686	10/24/2017	USA	USA for ParentUse of monoball, spherical bearings for the attachment of the rotating Proprotor Gear Box in a fixed engine, pylon over wing arrangement of tiltrotor aircraft-IPFF1705083	Bell Helicopter
17198168.1	10/24/2017	EPC	EPC for ParentTilt-Rotor Whirl Stability Augmentation-IPFF1705048	Bell Helicopter
17198169.9	10/24/2017	EPC	EPC for ParentIntegrally Strengthened Additively Manufactured Rotor Blade for Rotorcraft-IPFF1705051	Bell Helicopter

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17198170.7	10/24/2017	EPC	EPC for ParentHybrid Gas Generator VTOL Propulsion System-IPFF1705053	Bell Helicopter
17198171.5	10/24/2017	EPC	EPC for ParentTiltrotor Common Lift Propulsion System-IPFF1705052	Bell Helicopter
17198419.8	10/25/2017	EPC	EPC for ParentFiber Reinforced Plastic Additive Manufactured Bond Mold for Fiber Reinforced Thermosetting Materials-IPFF1705054	Bell Helicopter
2983955	10/25/2017	Canada	Canada for ParentMethod to Create Composite Wrinkle Test Specimens (17-017)-IPFF1705080	Bell Helicopter
2983956	10/25/2017	Canada	Canada for ParentMethod to Create Tubular Composite Wrinkle Test Specimens 17-016-IPFF1705045	Bell Helicopter
15/796649	10/27/2017	USA	Compact Design of LIVE Tuning Port-IP1303639	Bell Helicopter
15/796910	10/30/2017	USA	Combination of Electrical and Mechanical Tail Rotor-IP1706772	Bell Helicopter
2984534	11/1/2017	Canada	Canada for ParentMeans of Cooling Water Cooled Internal Combustion Engines Using Hydraulic Oil-IPFF1705037	Bell Helicopter
15/802983	11/3/2017	USA	Tapered Shaft System for Attaching Removable Components to Structure-IP1706952	Bell Helicopter
15/804168	11/6/2017	USA	Independent Internal and external door latching through the use of concentric shafts-IP1706882	Bell Helicopter
17200198.4	11/6/2017	EPC	EPC for ParentTeetering Tail Rotor Yoke with Triple Bearings-IPFF1705056	Bell Helicopter
17200687.6	11/8/2017	EPC	EPC for ParentMeans of Cooling Water Cooled Internal Combustion Engines Using Hydraulic Oil-IPFF1705035	Bell Helicopter
15/806801	11/9/2017	USA	Biplane Tilt Rotor configuration to reduce Helicopter mode wing down load-IP1706903	Bell Helicopter
15/807843	11/9/2017	USA	Large Multi-Rotor Aircraft with Distributed Propulsion and Variable Pitch for Auto-rotation-IP1706918	Bell Helicopter
15/808856	11/9/2017	USA	Ti-Rotor Tailrotor UAV-IP1706953	Bell Helicopter
15/807958	11/9/2017	USA	USA for Parent14-010-IPFF1705055	Bell Helicopter
15/810957	11/13/2017	USA	USA for ParentProcesses for Repairing Complex Laminated Composites-IPFF1705066	Bell Helicopter
20171113882.2	11/13/2017	China	China for ParentTilt Rotor Hub and Brake System with First-In-Plane Frequency Greater Than 2.0-IPFF1704986	Bell Helicopter
15/813786	11/15/2017	USA	Helicopter Tiedown Reel Cable Mechanism-IP1706879	Bell Helicopter
17201935.8	11/15/2017	EPC	EPC for ParentZero-Fasterer Flushmount Balance Weight System Preserving Rotor Blade Tip with Integral Tuning Weight Retention Feature-IPFF1705079	Bell Helicopter
17201976.8	11/15/2017	EPC	EPC for ParentFiber Reinforced Plastic Additive Manufactured Bond Assembly Fixture-IPFF1705065	Bell Helicopter
15/815513	11/16/2017	USA	Air management system for stacked, air cooled electric motors-IP1706881	Bell Helicopter
15/815411	11/16/2017	USA	Large Quad Tilt Rotor with foldable aft rotors for increased range-IP1706635	Bell Helicopter
15/816516	11/17/2017	USA	Floating Exhaust Ducts-IP1605688	Bell Helicopter
15/820129	11/21/2017	USA	Hydraulic Powered Force Generating Device and Method for Actively Controlling Rotorcraft Vibration-IP1706914	Bell Helicopter
17203208.8	11/23/2017	EPC	EPC for ParentAutomatic Active Blade Tracking with Eccentric Pitch Horn Clevis-IPFF1705080	Bell Helicopter
17203232.8	11/23/2017	EPC	EPC for ParentExhaust Manifold for Combining System Exhaust Plume-IPFF1705084	Bell Helicopter
17203240.1	11/23/2017	EPC	EPC for ParentAdaptive Trend Detection for System Health Indicator Data-IPFF1705085	Bell Helicopter

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2986741	11/23/2017		Canada	Canada for ParentPylon Rotation Fairing-IPFF1705044	Bell Helicopter
17204248.3	11/28/2017		EPC	EPC for ParentPowerplant Exhaust Soft Mounting-IPFF1705047	Bell Helicopter
2987171	11/28/2017		Canada	Canada for ParentLow Cost Hybrid Sandwich Honeycomb Core Construction for Structural Applications-IPFF1705075	Bell Helicopter
17204535.3	11/29/2017		EPC	EPC for ParentIndependent Internal and external door latching through the use of concentric shafts-IPFF1705110	Bell Helicopter
17204822.5	11/30/2017		EPC	EPC for ParentArticulated Hub with Blade to Blade Dampers and back to back dual spherical Elastomeric Bearings-IPFF1705082	Bell Helicopter
15/829217	12/1/2017		USA	Passive Bleed Air Leak Management-IP1605637	Bell Helicopter
17204969.4	12/1/2017		EPC	EPC for ParentTailored Rotor Blade Ice Protection System-IPFF1705074	Bell Helicopter
17204970.2	12/1/2017		EPC	EPC for ParentInterconnected Driveshaft Clutch-IPFF1705068	Bell Helicopter
15/830875	12/4/2017		USA	Integrated Capacitive Discharge Electrical Bonding Assurance System-IP1706944	Bell Helicopter
15/832444	12/5/2017		USA	Gearbox hydraulic split torque equalizer-IP1706826	Bell Helicopter
15/832689	12/5/2017		USA	P17-006-IP1706894	Bell Helicopter
15/832694	12/5/2017		USA	P17-007-IP1706895	Bell Helicopter
17205653.3	12/6/2017		EPC	EPC for ParentA rotorcraft transmission gear shaft designed for the application of fully ceramic bearings-IPFF1705069	Bell Helicopter
EP17205640.0	12/6/2017		EPC	EPC for ParentCombined Shaft Clutch Configuration-IPFF1705070	Bell Helicopter
EP17205736.6	12/6/2017		EPC	EPC for ParentHelicopter with Wing Augmented Lift and Laterally Opposed Propulsive Thrust Ducted Fans-IPFF1705067	Bell Helicopter
15/834340	12/7/2017		USA	Quad Till Rotor with Fixed Engines and Propeller Driven Cruise-IP1706634	Bell Helicopter
15/834366	12/7/2017		USA	Two Scapula Composite Tube Manufacturing-IP1706948	Bell Helicopter
29/628801	12/7/2017		USA	USA for ParentV-247-IPFF1705094	Bell Helicopter
29/628827	12/7/2017		USA	USA for ParentV-247-IPFF1705095	Bell Helicopter
29/628831	12/7/2017		USA	USA for ParentV-247-IPFF1705096	Bell Helicopter
				USA for ParentFull pillow block bearing housing pylon mounting arrangement for the Proprotor Gear Box attachment in a fixed engine, pylon over wing arrangement of tiltrotor aircraft-IPFF1705113	
15/835617	12/8/2017		USA	EPC for ParentAir management system for stacked, air cooled electric motors-IPFF1705117	Bell Helicopter
17206154.1	12/8/2017		EPC	P17-005-IP1706893	Bell Helicopter
15/840113	12/13/2017		USA	Thermoplastic Core-IP1504616	Bell Helicopter
15/842248	12/14/2017		USA	Proprotor Leading Edge Extension-IP1706865	Bell Helicopter
15/843039	12/15/2017		USA	USA for ParentHigh Stiffness Journal Bearing Configuration for Rotating Proprotor Gearbox Support-IPFF1705126	Bell Helicopter
15/844.451	12/15/2017		USA	Blade Fold Configuration - Compact Yoke Fold with Bilateral Center Yoke Plates-IP1706929	Bell Helicopter
15/845810	12/18/2017		USA	Blade Fold Configuration - Compact Yoke Folds with Secondary Yoke Straps-IP1706932	Bell Helicopter
15/845876	12/18/2017		USA	Blade Fold Configuration - Folding Spindle and CF Bearing Assy Enabling Double Shear Blade Fold-IP1706934	Bell Helicopter
15/845967	12/18/2017		USA	Blade Fold Configuration - Inboard CF with Dual Concentric Blade Fold Bolts-IP1706933	Bell Helicopter
15/845928	12/18/2017		USA	Blade Fold Configuration - Reverse CF Fitting Enabling Blade Fold Axis Inboard of Yoke Tip-IP1706935	Bell Helicopter
15/846011	12/18/2017		USA		Bell Helicopter

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15/845720	12/18/2017		USA	Blade fold configurations - Split Yoke Fold Permitting Compact Integral Cuff Blade Fold-IP1706919	Bell Helicopter
15/846783	12/19/2017		USA	Bird Impact Resistant Protection System (BIRPS)-IP1706954	Bell Helicopter
15/847753	12/19/2017		USA	USA for ParentProcess for Nanolevel Dispersion of Cellulose NanoCrystals (CNCs) in Hydrophobic Organic Materials, Thermosets and Thermoplastics-IPFF1705081	Bell Helicopter
EP17208612.6	12/19/2017		EPC	EPC for ParentBAT CAVE- Tilt Rotor aircraft with Cycloid fans on ICDS-IPFF1705132	Bell Helicopter
17208887.4	12/20/2017		EPC	EPC for ParentOptimized Spinner Design for Reduced Drag-IPFF1705130	Bell Helicopter
17209541.6	12/21/2017		EPC	EPC for ParentAdhesively Joining Airframe Members at Solid Insert-IPFF1705131	Bell Helicopter
15/853322	12/22/2017		USA	USA for ParentApparatus and Method for Flight Control of Tiltrotor Aircraft-IPFF1705116	Bell Helicopter
17211165.0	12/29/2017		EPC	EPC for ParentFloating Exhaust Ducts-IPFF1705141	Bell Helicopter
17211215.3	12/29/2017		EPC	EPC for ParentNon-Absorbent cushioning for Fuel Cell Installation-IPFF1705140	Bell Helicopter

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