504888130 04/26/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4934871

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA ALLAN EDLER	04/18/2018
BRENT SCANNELL	04/18/2018
THOMAS MAST	04/16/2018
SARAH R. VILLANUEVA	04/23/2018
DAVID MICHAEL TIEDEMAN	04/18/2018
KEITH C. PEDERSEN	04/25/2018

RECEIVING PARTY DATA

Name:	BELL HELICOPTER TEXTRON INC.	
Street Address:	MAIL STOP HQ 04415	
Internal Address:	P.O. BOX 482	
City:	FORT WORTH	
State/Country:	TEXAS	
Postal Code:	76101	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15963911

CORRESPONDENCE DATA

Fax Number: (972)226-4837

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 214-957-1901

Email: docketing@patcapgroup.com, roseanne.cisneros@patcapgroup.com

Correspondent Name: ROSEANNE CISNEROS DE CHAIREZ, CLP

Address Line 1: PATENT CAPITAL GROUP
Address Line 2: 2609 DOVE MEADOW DRIVE
Address Line 4: GARLAND, TEXAS 75043

ATTORNEY DOCKET NUMBER:	2355-0057 (17-111)
NAME OF SUBMITTER:	ROSEANNE CISNEROS DE CHAIREZ, CLP
SIGNATURE:	/ROSEANNE CISNEROS DE CHAIREZ, CLP/
DATE SIGNED:	04/26/2018

504888130 REEL: 045649 FRAME: 0937

PAIENI

Total Attachments: 7 source=IP1707052-FILED-Assignment-4-26-2018#page1.tif source=IP1707052-FILED-Assignment-4-26-2018#page2.tif source=IP1707052-FILED-Assignment-4-26-2018#page3.tif source=IP1707052-FILED-Assignment-4-26-2018#page4.tif

source=IP1707052-FILED-Assignment-4-26-2018#page6.tif source=IP1707052-FILED-Assignment-4-26-2018#page7.tif

source=IP1707052-FILED-Assignment-4-26-2018#page5.tif

PATENT REEL: 045649 FRAME: 0938

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Joshua Allan Edler Brent Scannell Thomas Mast Sarah R. Villanueva David Michael Tiedeman Keith C. Pedersen

hereby sell, assign, and transfer to:

BELL HELICOPTER TEXTRON INC.

a corporation of Delaware, having a principal place of business at Mail Stop HQ 04415, P.O. Box 482, Fort Worth, TX 76101, USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

PASSIVE PARTICLE SEPARATION SYSTEM

(I/We hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on	as <u>US</u> Application No.	
	COUNTRY or International Office which has been executed by the undersigned	prior
hereto or concurrently herewith	on the date(s) indicated below,	

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to provisional, design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute

Page 1 of 2

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

Joshua Allan Edler	4/18/18 Date
Brent Scannell	Date
Thomas Mast	Date
Sarah R. Villanueva	Date
David Michael Tiedeman	Date
Keith C. Pedersen	Date

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Joshua Allan Edler	Date
Brent Scannell	18- APER - 2018 Date
Thomas Mast	Date
Sarah R. Villanueva	Date
David Michael Tiedeman	Date
Keith C. Pedersen	Date

Page 2 of 2

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of automey, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

Josina Allan Edler	Ďæč
Brent Scanneil	Date
Thomas ividess	JUL/18
Sarah R. Villanueva	Date
David Michael Tiedeman	Dive
Keith C. Pedersen	Date

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

Joshua Allan Edler	Date
Brent Scannell	Date
Thomas Mast	Date
Sarah R. Villanueva	4/23/18 Date
David Michael Tiedernan	Date
Keith C. Pedersen	Date

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

Joshua Allan Edler	Date
Brent Scannell	Date
Thomas Mast	Date
Sarah R. Villanueva	Date
David Michael Tièdeman	<u> 184994, 2018</u> Date
Keith C. Pedersen	Date

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Joshua Allan Edler	Date
Brent Scannell	Date
Thomas Mast	Date
Sarah R. Villanueva	Date
David Michael Tiedeman	Date
Sith Orden	04/25/2018

Page 2 of 2