502180248 12/31/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kirk L. Groninga	12/10/2010

RECEIVING PARTY DATA

Name:	Bell Helicopter Textron Inc.
Street Address:	P.O. Box 482
City:	Fort Worth
State/Country:	TEXAS
Postal Code:	76101

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13580577

CORRESPONDENCE DATA

Fax Number: 8174479954

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER: 0837RF-H771-US (61252)

NAME OF SUBMITTER: James E. Walton

Total Attachments: 1

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PATENT REEL: 029550 FRAME: 0986 OF \$40.00 13580577

PATENT APPLICATION ASSIGNMENT

WHEREAS, I, Kirk L. Groninga, having a correspondence address of 1413 Penny Lane, Keller, Texas 76248, have invented a new and useful

PROPULSIVE ANTI-TORQUE NOZZLE SYSTEM WITH ROTATING THRUST DIRECTOR FOR A ROTORCRAFT

for which application is being made for Letters Patent, said application being identified as International Patent Application No. PCT/US2010/056571, filed 12 November 2010, titled "Propulsive Anti-Torque Nozzle System with Rotating Thrust Director for a Rotorcraft," and being further identified as Attorney Docket No. 0837RF-H771P.

WHEREAS, BELL HELICOPTER TEXTRON INC., a corporation of the State of Delaware, having a correspondence address at P.O. Box 482, Fort Worth, Texas 76101, is desirous of acquiring my entire right, title and interest in said invention, application, and any patents that may issue thereon.

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to said corporation for the territory of the United States of America and the entire world my entire right, title, and interest in and to said invention, any patent applications filed therefor, including any provisional, design, utility, divisional, continuation, continuation-in-part, reissue, reexamination, and international applications, and any patents that may issue thereon, and including all priority rights for patent applications foreign to the United States of America.

I HEREBY covenant and agree that I will at any time, upon the request and at the expense of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications, and patents, and I authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said corporation.

IN TESTIMONY WHEREOF, I execute this Patent Application Assignment on the date set forth below.

December 10, 2010

Kirk L. Groninga

Date

RECORDED: 12/31/2012

PATENT REEL: 029550 FRAME: 0987