503381964 07/07/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3428586

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL A. CARRALERO	10/22/2012
TY AABY LARSEN	10/22/2012
PRIYA MARATUKULAM	10/22/2012

RECEIVING PARTY DATA

Name:	THE BOEING COMPANY
Street Address:	100 N. RIVERSIDE
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606-1596

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14793373

CORRESPONDENCE DATA

Fax Number: (713)623-4846

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: 713-623-4844

Email: psdocketing@pattersonsheridan.com, rdaffin@pattersonsheridan.com

PATTERSON & SHERIDAN, L.L.P./BOEING **Correspondent Name:**

Address Line 1: 24 GREENWAY PLAZA 16TH FLOOR

Address Line 4: HOUSTON, TEXAS 77046

ATTORNEY DOCKET NUMBER:	12-0843-US-DIV (054634)		
NAME OF SUBMITTER:	ROMEKA DAFFIN		
SIGNATURE:	/Romeka Daffin/		
DATE SIGNED:	07/07/2015		

Total Attachments: 3

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> **PATENT** REEL: 036014 FRAME: 0889 503381964

Docket No.: 12-0843-US-NP

ASSIGNMENT

WHEREAS, Michael A. Carralero, residing in Huntington Beach, California, USA, Ty Auby Larsen, residing in Everett, Washington, USA, and Priya Maratukulam, residing in Scattle, Washington, USA; (hereinafter "Assignor") has invented certain new and useful improvements in "Optical Fiber Coupled Photonic Crystal Stab Strain Sensor, System And Method Of Fabrication And Use" (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on date(s) listed below.

WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-1596, with a mailing address of P.O. Box 2515 MC 110-SD54, Seal Beach, California 90740-2515, USA," (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention within the United States of America and its territorial possessions and all foreign countries any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THEREFORE, for good and valuable considerations, the receipt which is hereby acknowledged. Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee the entire right, title and interest in and to the invention within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignce will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of Patents and Trademarks, US and its foreign counterparts, to issue the LETTERS PATENT when granted, in accordance with this assignment.

Assignor further coverants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the invention, and for maintaining and perfecting the Assignee's right to the invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I	have signed this A: $\frac{1}{2} \frac{1}{2} $	signment on the date specified be	dow.
Michael A. Carralero	(886)	Ty Aaby Larses	(dstr)
Priva Maratokolam	(data)		

Docket No.: 12-0843-US-NP

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IN TESTIMONY WHEREOF, I have signed this Assignment on the date specified below.

		Jy May down	10-72-1Q
Michael A. Carralero	(date)	Ty Aaby Larsen	(date)
Priya Maratukulam	(date)		

1

Docket No.: 12-0843-US-NP

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IN TESTIMONY WHEREOF, I have signed this Assignment on the date specified below.

Michael A. Carralero	(date)	Ty Aaby Larsen	(date)
Liga Mamadaman	16/22/12		
Priya Maratukulam	(date)		

PATENT REEL: 036014 FRAME: 0892

RECORDED: 07/07/2015