

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2668448

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ANTHONY CHARLES RUH</td> <td>12/03/2013</td> </tr> <tr> <td>JONATHAN ASHER SCHWEIGER</td> <td>12/04/2013</td> </tr> <tr> <td>MICHAEL SCOTT ENGELE</td> <td>12/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	ANTHONY CHARLES RUH	12/03/2013	JONATHAN ASHER SCHWEIGER	12/04/2013	MICHAEL SCOTT ENGELE	12/04/2013		
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<table border="1"> <tr> <td>Name:</td> <td>THE BOEING COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>100 NORTH RIVERSIDE PLAZA</td> </tr> <tr> <td>City:</td> <td>CHICAGO</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60606-2016</td> </tr> </table>		Name:	THE BOEING COMPANY	Street Address:	100 NORTH RIVERSIDE PLAZA	City:	CHICAGO	State/Country:	ILLINOIS	Postal Code:	60606-2016
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (503)224-7329 Phone: 503-224-7529 Email: boeing@dascenzoiplaw.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: DASCENZO INTELLECTUAL PROPERTY LAW, P.C. Address Line 1: 1000 SW BROADWAY, SUITE 1555 Address Line 4: PORTLAND, OREGON 97205											
ATTORNEY DOCKET NUMBER:	BNG 355										
NAME OF SUBMITTER:	IAN D. GATES										
Signature:	/Ian D. Gates/										
Date:	01/06/2014										
Total Attachments: 2 source=13-0767-ASSNCVR-BNG355_1-6-14#page1.tif source=13-0767-ASSN-BNG355_1-6-14#page1.tif											

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Anthony Charles RUH, Jonathan Asher SCHWEIGER, and Michael Scott ENGELE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) Dec. 3, 2013; Dec. 4, 2013; Dec. 4, 2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: THE BOEING COMPANY

Internal Address: _____

Street Address: 100 North Riverside Plaza

City: CHICAGO

State: ILLINOIS

Country: USA Zip: 60606-2016

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: IAN D. GATES

Internal Address: DASCENZO INTELLECTUAL PROPERTY
LAW, P.C.

Street Address: 1000 SW BROADWAY, SUITE 1555

City: PORTLAND

State: OREGON Zip: 97205

Phone Number: 503-224-7529

Fax Number: 503-224-7329

Email Address: ian@dascenzoiplaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ N/A

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 504551

Authorized User Name IAN D. GATES

9. Signature:


Signature

January 6, 2014

Date

IAN D. GATES

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT
REEL: 031895 FRAME: 0516**

ASSIGNMENT

Docket No.: BNG 355

WHEREAS, Anthony Charles Ruh, residing at Seattle, Washington, Jonathan Asher Schweiger, residing at Seattle, Washington, and Michael Scott Engele, residing at Kent, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled TUBE HANGERS AND SYSTEMS FOR VERY EARLY SMOKE DETECTION for which Assignors are making or have made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignors concurrently herewith; or filed on _____ as Application No. _____;

WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside Plaza, Chicago, Illinois 60606-2016, with a mailing address of P.O. Box 2515, Mail Code: 110-SD54, Seal Beach, CA 90740, 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, and in and to any United States or foreign LETTERS PATENT that may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have assigned, sold and transferred, and do assign, sell and transfer to the Assignee, its successors and assigns, 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 that may be granted for any and all portions thereof, and in and to the patent application identified above and applications for patent filed for the Invention in all foreign countries and all provisional, divisional, reissue, continuation, continuation-in-part applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, including all applications claiming the priority of said applications for patent or LETTERS PATENT identified herein, 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 Assignors 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. Assignee 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 Assignors if this assignment and sale had not been made. Assignors request and authorize the Commissioner of the U.S. Patent and Trademark Office, and foreign counterpart officials of foreign patent offices, to issue the respective LETTERS PATENT in the United States and foreign countries when granted, in accordance with this assignment.

Assignors further covenant and agree with the Assignee that Assignors have a full and unencumbered title to the Invention, which title Assignors warrant to the Assignee. Assignors further agree that Assignors 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/We have signed this Assignment on the date specified below.

Anthony Ruh 12/3/2013
ANTHONY CHARLES RUH Date

Jonathan Asher Schweiger 12-4-13
JONATHAN ASHER SCHWEIGER Date

Michael Scott Engele 12/4/13
MICHAEL SCOTT ENGELE Date