

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
REYNOLD RULLAN PANERGO	05/06/2019
LAKSHMI M. PUTTASWAMY	07/08/2019
MYCAH MATTOX	07/03/2019
SUBRAMANIAM NATARAJAN	05/03/2019
SELVAKUMAR SANTHARAM	05/03/2019
TIMOTHY WILLIAM ANTSEY	12/17/2019
NATHAN T. VANRHEENEN	05/07/2019
RECEIVING PARTY DATA	
Name:	THE BOEING COMPANY
Street Address:	100 NORTH RIVERSIDE PLAZA
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606-1596
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16721510
CORRESPONDENCE DATA	
Fax Number:	(503)224-7329
<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>	
Phone:	503-224-7529
Email:	boeing@dascenzoiplaw.com
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:	18-1101-US-NP-1; BNG3R5-1
NAME OF SUBMITTER:	IAN D. GATES
SIGNATURE:	/Ian D. Gates/
DATE SIGNED:	12/19/2019

Total Attachments: 7

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ASSIGNMENT

WHEREAS, Reynold Rullan Panergo, residing at Lynnwood, Washington, Lakshmi M. Puttaswamy, residing at Bellevue, Washington, Mycah Mattox, residing at Mountlake Terrace, Washington, Subramaniam Natarajan, residing at Bangalore, Karnataka, India, Selvakumar Santharam, residing at Bangalore, Karnataka, India, Timothy William Anstey, residing at Seattle, Washington, and Nathan T. VanRheenen, residing at Renton, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled AIRCRAFT TO GROUND DATA SYSTEMS AND COMPUTING METHODS 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 North Riverside Plaza, Chicago, Illinois 60606-1596, with a mailing address of 100 North Riverside Plaza, Chicago, Illinois 60606-1596, 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.

Assignors authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the Assignee to insert the application number and filing date of the subject application in the first paragraph of this Assignment.

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


REYNOLD RULLAN PANERGO
Date

5/6/19

LAKSHMI M. PUTTASWAMY
Date

MYCAH MATTOX
Date

SUBRAMANIAM NATARAJAN
Date

ASSIGNMENT

WHEREAS, Reynold Rullan Panergo, residing at Lynnwood, Washington, Lakshmi M. Puttaswamy, residing at Bellevue, Washington, Mycah Mattox, residing at Mountlake Terrace, Washington, Subramaniam Natarajan, residing at Bangalore, Karnataka, India, Selvakumar Santharam, residing at Bangalore, Karnataka, India, Timothy William Anstey, residing at Seattle, Washington, and Nathan T. VanRheenen, residing at Renton, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled AIRCRAFT TO GROUND DATA SYSTEMS AND COMPUTING METHODS 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. _____;

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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.

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

REYNOLD RULLAN PANERGO Date

 7/8/2019

LAKSHMI M. PUTTASWAMY Date

MYCAH MATTOX Date

SUBRAMANIAM NATARAJAN Date

ASSIGNMENT

WHEREAS, Reynold Rullan Panergo, residing at Lynnwood, Washington, Lakshmi M. Puttaswamy, residing at Bellevue, Washington, Mycah Mattox, residing at Mountlake Terrace, Washington, Subramaniam Natarajan, residing at Bangalore, Karnataka, India, Selvakumar Santharam, residing at Bangalore, Karnataka, India, Timothy William Anstey, residing at Seattle, Washington, and Nathan T. VanRheenen, residing at Renton, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled AIRCRAFT TO GROUND DATA SYSTEMS AND COMPUTING METHODS 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. _____;

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REYNOLD RULLAN PANERGO

Date

LAKSHMI M. PUTTASWAMY

Date



7/3/19

MYCAH MATTOX

Date

SUBRAMANIAM NATARAJAN

Date

ASSIGNMENT

WHEREAS, Reynold Rullan Panergo, residing at Lynnwood, Washington, Lakshmi M. Puttaswamy, residing at Bellevue, Washington, Mycah Mattox, residing at Mountlake Terrace, Washington, Subramaniam Natarajan, residing at Bangalore, Karnataka, India, Selvakumar Santharam, residing at Bangalore, Karnataka, India, Timothy William Anstey, residing at Seattle, Washington, and Nathan T. VanRheenen, residing at Renton, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled AIRCRAFT TO GROUND DATA SYSTEMS AND COMPUTING METHODS 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. _____;

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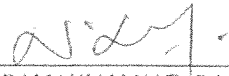
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REYNOLD RULLAN PANERGO Date

LAKSHMI M. PUTTASWAMY Date

MYCAH MATTOX Date



SUBRAMANIAM NATARAJAN Date 03/MAY/2019

 03 MAY 2019

SELVAKUMAR SANTHARAM Date

TIMOTHY WILLIAM ANSTEY Date

NATHAN T. VANRHEENEN Date

SELVAKUMAR SANTHARAM Date

Timothy William Anstey 12/17/19
TIMOTHY WILLIAM ANSTEY ✓ Date

NATHAN T. VANRHEENEN Date

SELVAKUMAR SANTHARAM _____ Date

 5/7/19
NATHAN T. VANRHEENEN _____ Date

TIMOTHY WILLIAM ANSTEY _____ Date