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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TONY SHUO TAO	02/13/2020
WILLIAM COOPER THALHEIMER	02/13/2020
ROBERT WILLIAM PARKS	02/11/2020
ADRIAN HACHEN	02/13/2020

RECEIVING PARTY DATA

Name:	AURORA FLIGHT SCIENCES CORPORATION, A SUBSIDIARY OF THE BOEING COMPANY
Street Address:	9950 WAKEMAN DRIVE
City:	MANASSAS
State/Country:	VIRGINIA
Postal Code:	20110

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16794040

CORRESPONDENCE DATA

Fax Number: (503)224-7329

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: 503-224-7529

Email: boeing@dascenzoiplaw.com

DASCENZO INTELLECTUAL PROPERTY LAW, P.C. **Correspondent Name:**

Address Line 1: 1000 SW BROADWAY, SUITE 1555

Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	BNG 3U7	
NAME OF SUBMITTER:	LAURA K. SMITH	
SIGNATURE:	/Laura K. Smith/	
DATE SIGNED:	02/18/2020	

Total Attachments: 3

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PATENT REEL: 051850 FRAME: 0990 505922544

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PATENT REEL: 051850 FRAME: 0991

ASSIGNMENT

ASSI	GINIVIE IN I	
WHEREAS, Tony Shuo Tao, residing at Somerville, Mass Massachusetts, Robert William Parks, residing at San Jose (hereinafter "Assignors") have invented certain new and described in the United States patent application entitled V AND RELATED METHODS for which Assignors are mak UNITED STATES, which application has been duly as Application No.	c, California, and Adrian Hachen, residing useful inventions and improvements (he TERTICAL TAKE-OFF AND LANDING ting or have made application for LETTEI executed by Assignors concurrently h	at Bern, Switzerland reinafter "Invention") (VTOL) AIRCRAFT RS PATENT OF THE
WHEREAS, Aurora Flight Sciences Corporation, a subsexisting under the laws of the State of Delaware, USA, h Virginia 20110, with a mailing address of 9950 Wakeman Assignee"), is desirous of acquiring the entire right, title a America and its territorial possessions and all foreign corporation.	aving a place of business at 9950 Waker Drive, Manassas, Virginia 20110, USA (I and interest in and to the Invention within	nan Drive, Manassas, nereinafter called "the n the United States of
NOW, THEREFORE, for good and valuable consideration assigned, sold and transferred, and do assign, sell and transferred, and do assign, sell and transferred, and interest in and to the Invention within the United countries, and in and to any LETTERS PATENT of the inventor's certificates and like government grants that may patent application identified above and applications for provisional, divisional, reissue, continuation, continuation—patent or LETTERS PATENT identified herein, including patent or LETTERS PATENT identified herein, and the rifull benefit of such priorities as may now or hereafter be international convention, for the protection of industrial punited States LETTERS PATENT to the various territorial the United States of America. Assignee will hold all right successors or assigns to the full end of the term for which the same would have been held and enjoyed by Assignors it and authorize the Commissioner of the U.S. Patent and patent offices, to issue the respective LETTERS PATEN accordance with this assignment.	States of America and its territorial posses. United States and foreign countries, incompared by be granted for any and all portions there patent filed for the Invention in all foreign-part applications and extensions of any granted to apply for LETTERS PATENT in the granted to Assignors by local laws or by roperty, together with the right to extend possessions now owned or which may be the LETTERS PATENT may be granted, a fithis assignment and sale had not been material for the property.	signs, the entire right, ssions and all foreign luding utility models, eof, and in and to the ign countries and all of the applications for said applications for foreign countries with treaty, including any the protection of the hereafter acquired by use and benefit of its is fully and entirely as de. Assignors request rt officials of foreign
Assignors further covenant and agree with the Assignee that which title Assignors warrant to the Assignee. Assignors from consideration therefor, at the request and expense of the A acknowledgment of instruments, that may be or become reexamining United States and foreign LETTERS PAT perfecting the Assignee's right to the Invention and LET opposition and litigation.	further agree that Assignors will, without of ssignee, do all lawful and just acts, include necessary for obtaining, sustaining, exENT or the like for the Invention, and	lemanding any further ling the execution and stending, reissuing or for maintaining and
Assignors authorize and direct any of the attorneys responsible to insert the application number and filing date of	nsible for prosecuting the subject application in the first paragraph	ntion on behalf of the oh of this Assignment.
IN TESTIMONY WHEREOF, I/We have signed this Assig	nment on the date specified below.	
2/3/2020		2/13/2020
TONY SHUO TAO Date	WILLIAM COOPER THALHEIMER	Date
ROBERT WILLIAM PARKS Date	ADRIAN HACHEN	Date

19-2813-US-NP (BNG 3U7)

ASSIGNMENT
WHEREAS, Tony Shuo Tao, residing at Somerville, Massachusetts, William Cooper Thalheimer, residing at Cambridge Massachusetts, Robert William Parks, residing at San Jose, California, and Adrian Hachen, residing at Bern, Switzerland (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention" described in the United States patent application entitled VERTICAL TAKE-OFF AND LANDING (VTOL) AIRCRAFT AND RELATED 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 or as Application No.
WHEREAS, Aurora Flight Sciences Corporation, a subsidiary of The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 9950 Wakeman Drive, Manassas Virginia 20110, with a mailing address of 9950 Wakeman Drive, Manassas, Virginia 20110, 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 unencombered title to the Invention. which title Assignors warrant to the Assignce. 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 recramining 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 litication.

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.

TONY SHUO TAQ	Date	WILLIAM COOPER THALHEIMER IT	3816
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11/ Mar 6/ Ma	02///2020		
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Page 1 of 1 - ASSIGNMENT

19-2813-US-NP (BNG 31/7)

	AS	SSIGNMENT
Massachusetts, Robert William P (hereinafter "Assignors") have in described in the United States pat AND RELATED METHODS for	arks, residing at San I evented certain new a ent application entitle which Assignors are lication has been du	Massachusetts, William Cooper Thalheimer, residing at Cambridge, fose, California, and Adrian Hachen, residing at Bern, Switzerland and useful inventions and improvements (hereinafter "Invention") d VERTICAL TAKE-OFF AND LANDING (VTOL) AIRCRAFT making or have made application for LETTERS PATENT OF THE thy executed by Assignors concurrently herewith; or filed on
existing under the laws of the St Virginia 20110, with a mailing ac Assignee"), is desirous of acquiri	ate of Delaware, USA Idress of 9950 Waken ng the entire right, tit issions and all foreign	subsidiary of The Boeing Company, a corporation organized and a, having a place of business at 9950 Wakeman Drive, Manassas, an Drive, Manassas, Virginia 20110, USA (hereinafter called "the le and interest in and to the Invention within the United States of countries, and in and to any United States or foreign LETTERS
assigned, sold and transferred, antitle and interest in and to the Invocuntries, and in and to any LE inventor's certificates and like go patent application identified aborovisional, divisional, reissue, copatent or LETTERS PATENT identified benefit of such priorities as rinternational convention, for the United States LETTERS PATENT the United States of America. Assuccessors or assigns to the full et the same would have been held an and authorize the Commissioner	d do assign, sell and the ention within the Uniterest PATENT of evernment grants that we and applications for timuation, continuation, continuation herein, and the may now or hereafter protection of industrial to the various territossignee will hold all red of the term for which denjoyed by Assignor of the U.S. Patent ar	ation, the receipt of which is hereby acknowledged, Assignors have ransfer to the Assignee, its successors and assigns, the entire right, led States of America and its territorial possessions and all foreign the United States and foreign countries, including utility models, may be granted for any and all portions thereof, and in and to the or patent filed for the Invention in all foreign countries and all on-in-part applications and extensions of any of the applications for sting all applications claiming the priority of said applications for eright to apply for LETTERS PATENT in foreign countries with be granted to Assignors by local laws or by treaty, including any all possessions now owned or which may be hereafter acquired by lights for its own use and benefit and for the use and benefit of its the LETTERS PATENT may be granted, as fully and entirely as res if this assignment and sale had not been made. Assignors request at Trademark Office, and foreign countries when granted, in
which title Assignors warrant to u consideration therefor, at the requ acknowledgment of instruments, reexamining United States and	he Assignee. Assigno est and expense of the that may be or beco foreign LETTERS P.	that Assignors have a full and unencumbered title to the Invention, its further agree that Assignors will, without demanding any further Assignee, do all lawful and just acts, including the execution and ome necessary for obtaining, sustaining, extending, reissuing or ATENT or the like for the Invention, and for maintaining and ETTERS PATENT particularly in cases of interference conflict,
		sponsible for prosecuting the subject application on behalf of the of the subject application in the first paragraph of this Assignment.
IN TESTIMONY WHEREOF, I/V	Ve have signed this As	signment on the date specified below.
TONY SHUO TAO	Date	WILLIAM COOPER THALFFEIMER Date

ABRIAN HACHEN

Page 1 of 1 - ASSIGNMENT

ROBERT WILLIAM PARKS

Date

19-2813-US-NP (BNG 3U7)

PATENT REEL: 051850 FRAME: 0994