504786544 02/21/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4833276

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSUKE TATE	02/08/2018

RECEIVING PARTY DATA

Name:	ALPINE ELECTRONICS, INC.	
Street Address:	1-1-8, NISHI-GOTANDA SHINAGAWA-KU	
City:	TOKYO	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15901074

CORRESPONDENCE DATA

Fax Number:

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: 312-321-4200

usassignments@brinksgilson.com, msantucci@brinksgilson.com Email:

Correspondent Name: JAMES P. NAUGHTON

Address Line 1: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	9333-857
NAME OF SUBMITTER:	JAMES P. NAUGHTON
SIGNATURE:	/JPN/
DATE SIGNED:	02/21/2018

Total Attachments: 2

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> **PATENT REEL: 044987 FRAME: 0920** 504786544

ASSIGNMENT

WHEREAS, Yosuke Tate, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled "FLIGHT CONTROL DEVICE AND FLIGHT CONTROL METHOD FOR UNMANNED AERIAL VEHICLE", executed by Assignor on the same date as this Assignment:

WHEREAS, ALPINE ELECTRONICS, INC., a corporation organized and existing under the laws of Japan, having a place of business at 1-1-8, Nishi-Gotanda Shinagawa-ku Tokyo, Japan, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in exchange for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States, its territories and possessions, in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, continuations-inpart, divisions, renewals, extensions or reissues of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution

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of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

DATE: Feb. 8, 2018

Yosuke Tate

WITNESSED:

DATE: Feb. 8, 20/8

Lisatoski Lehil

DATE: Feb. S. 2018

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