

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4453040

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HIROKI OBA	05/24/2017
KOSUKE MUNAKATA	05/23/2017
TETSURO YABE	05/24/2017
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:	15618528
CORRESPONDENCE DATA	
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<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>	
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ATTORNEY DOCKET NUMBER:	9333-840
NAME OF SUBMITTER:	JAMES P. NAUGHTON
SIGNATURE:	/JPN/
DATE SIGNED:	06/09/2017
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, Hiroki Oba, Kosuke Munakata and Tetsuro Yabe, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "MOVEMENT ROUTE GENERATING APPARATUS AND MOVEMENT ROUTE GENERATING METHOD". executed by Assignors 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 Assignors from the Assignee is hereby acknowledged, the Assignors have 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-in-part, 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 Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the

prosecution 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 Assignors 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 Assignors have executed this agreement.

DATE: May 24th, 2017 Hiroki Oba
Hiroki Oba

WITNESSED:

DATE: May 24, 2017 Kenji Shida

DATE: _____

DATE: May 23, 2017 Kosuke Munakata
Kosuke Munakata

WITNESSED:

DATE: May 23, 2017 Kenji Shida

DATE: _____

DATE: May 24th, 2017 Tetsuro Yabe
Tetsuro Yabe

WITNESSED:

DATE: May 24, 2017 Kenji Shida

DATE: _____