PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6193992

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYOHEI SUDA	07/03/2020
KEISUKE HONDA	07/06/2020
CHIE MATSUZAKI	07/03/2020

RECEIVING PARTY DATA

Name:	ALPINE ELECTRONICS, INC.
Street Address:	1-7, YUIKIGAYA-OTSUKAMACHI
City:	OTA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	145-8501

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16924959

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	9333-911
NAME OF SUBMITTER:	JAMES P. NAUGHTON
SIGNATURE:	/JPN/
DATE SIGNED:	07/10/2020

Total Attachments: 3

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PATENT 506147260 REEL: 053171 FRAME: 0220

ASSIGNMENT

WHEREAS, Ryohei Suda, Keisuke Honda, and Chie Matsuzaki, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND IMAGE PROCESSING PROGRAM", 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 1-7, Yuikigaya-Otsukamachi Ota-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

PATENT REEL: 053171 FRAME: 0221 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: 2020/7/3	Myken Andr
WITNESSED:	Ryohei Suda
DATE: 2020/7/3	Zhisatoski Oshil
DATE: 2020 / 7 / 3	Tomomi Afatsee
DATE: 2020-7-6	Keisube Honda.
WITNESSED:	Keisuke Honda
DATE: 2020/7/6	Hisatoshir Ishir
DATE: 2020 / 7 / 6	Town A More

DATE: 2020/7/3 Chie Matsuzaki
WITNESSED:

DATE: 2020/7/3 Zhiatoshi Oshii

DATE: 2020/7/3 James States