

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takayuki Watanabe</td> <td>09/05/2012</td> </tr> <tr> <td>Daishi Mori</td> <td>09/05/2012</td> </tr> <tr> <td>Kenji Shida</td> <td>09/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Takayuki Watanabe	09/05/2012	Daishi Mori	09/05/2012	Kenji Shida	09/05/2012
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Daishi Mori	09/05/2012								
Kenji Shida	09/05/2012								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13612080</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13612080				
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Application Number:	13612080								
CORRESPONDENCE DATA									
Fax Number:	3123214299								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Eric D. Cohen								
<p>Total Attachments: 3 source=9333702_Assignment#page1.tif source=9333702_Assignment#page2.tif source=9333702_Assignment#page3.tif</p>									

CH \$40.00 13612080

PATENT

ASSIGNMENT

WHEREAS, Takayuki Watanabe, Daishi Mori and Kenji Shida, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "VEHICLE TRAVEL AMOUNT ESTIMATION DEVICE AND OBSTACLE DETECTION DEVICE," 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: September 5, 2012 Takayuki Watanabe
Takayuki Watanabe

WITNESSED:

DATE: Sept. 5, 2012 Masahiro Otsuna

DATE: September 5, 2012 Takeshi Jishi

DATE: September 5, 2012 Daishi Mori
Daishi Mori

WITNESSED:

DATE: Sept. 5, 2012 Masahiro Otsuna

DATE: September 5, 2012 Takeshi Jishi

DATE: September 5, 2012 Kenji Shida
Kenji Shida

WITNESSED:

DATE: Sept. 5, 2012 Masahiro Osumi

DATE: _____