

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Hong TA	12/05/2008
Tien VU	12/10/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Alpine Electronics of America, Inc.
<b>Street Address:</b>	19145 Gramercy Place
<b>City:</b>	Torrance
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90501
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12247154
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<b>ATTORNEY DOCKET NUMBER:</b>	ALPIN.003A
<b>NAME OF SUBMITTER:</b>	Lee W. Henderson
<b>Total Attachments: 2</b> source=ALPIN-003A_Assignment#page1.tif source=ALPIN-003A_Assignment#page2.tif	

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**PATENT**  
**REEL: 022530 FRAME: 0078**

### ASSIGNMENT

WHEREAS, WE, Hong Ta, a United States citizen, residing at 10418 Leeds Street, Norwalk, California 90650, and Tien Vu, a United States citizen, residing at 14612 Donegal Drive, Westminster, California 92683, have invented certain new and useful improvements in a METHOD AND APPARATUS OF VEHICLE NAVIGATION SYSTEM FOR DETECTING AND AVOIDING CITY WITH CROWDED STREETS for which we have executed an application for Letters Patent in the United States, on October 7, 2008 as Application Serial No. 12/247,154;

AND WHEREAS, ALPINE ELECTRONICS OF AMERICA, INC. (hereinafter "ASSIGNEE"), a California corporation, with its principal place of business at 19145 Gramercy Place, Torrance, California 90501, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Application No.: 12/247,154  
Filing Date: October 7, 2008

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Client Code: ALPIN.003A  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5<sup>th</sup> day of  
December, 2008.

Hong Ta

Witness Signature

Witness Name

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of  
December, 2008.

Tien Vu

Witness Signature

Witness Name

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