11-17-1998						
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	NOV 0 6 1998 Please re	1008793	67	or copy thereof.	1/6/98	
1.	Name of Party (tes) conveying an intere	st:	2. Name a	nd Address of Party(ies) r	eceiving an interest:	
	Toru Ezaki		Name: Internal Add Street Addre City: State/Zip:			
Add	itional name(s) of conveying party(ies)	attached? ☐ Yes ⊠ No		ame(s) and addresses att	ached? ☐ Yes ⊠ No	
	Description of the interest conveyed: Assignment	Change of Name	Other:			
	☐ Security Agreement ☐ Merger					
Execution Date: October 15, 1998 4. Application number(s) or patent number(s). Additional sheet attached? Yes No						
If this document is being filed together with a new application, the execution date of the application is:						
	Patent Application No.(s)	Dat	te B. Patent N	io.(s)		
Additional numbers attached? ☐ Yes ⊠ No						
	Name and address of party to whom co concerning document should be mailed	1:		f applications and patents	s involved: <u>1</u>	
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9.	 Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 					
	James P. Naughton - Reg. No. 30,665 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3					

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PATENT

REEL: 9576 FRAME: 0577

ASSIGNMENT

WHEREAS, Toru Ezaki, hereinafter called the "Assignor," has made the invention described in the United States patent application entitled "Location Floor Number Display Device in Navigation Apparatus," for a full description of which reference is here made to an application for Letters Patent of the United States filed on August 10, 1998, and assigned Application Serial No. 09/132,010;

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 does 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; 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 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

PATENT REEL: 9576 FRAME: 0578 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 October 15, 1998 Toru Ezaki

WITNESSED

DATE

October 15, 1998 Robutaka Kawasahi
October 15, 1998 Rayolco Wakamatu

DATE

RECORDED: 11/06/1998

PATENT REEL: 9576 FRAME: 0579