

10-07-2002

SHEET



TO THE ASSISTANT COMMISSIONER

ial documents or copy thereof.

102242538

1. Name of conveying party(ies): (If multiple assignors, list numerically)

(1) Ihung S. Tu

2. Name and address of receiving party(ies):

Name: Alpine Electronics, Inc.

Address: 1-1-8 Nishi Gotanda
Shinagawa-ku, Tokyo, Japan

Additional name(s) of conveying party(ies) attached?

() Yes(X) No

Additional name(s) of receiving party(ies) attached?

() Yes(X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

4. Application number(s) or Patent number(s):

(X) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 10/174,697

Filing Date: June 15, 2002

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

(1) July 15, 2002

() Patent No.:

Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Yasuo Muramatsu

Muramatsu & Associates

Internal Address: Second Floor

Street Address: 7700 Irvine Center Drive, Suite 225

City: Irvine State: CA ZIP: 92618

Attorney's Docket No.: ALPINE.016AUS

7. Total fee (37 CFR 3.41): \$40.00

(X) Enclosed

() Authorized to be charged to deposit account

8. Deposit account number:

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Yasuo Muramatsu

Name of Person Signing

Signature9/10/02

Date

38,684

Registration No.

Total number of pages including cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:

10/04/2002 AMVED1 00000095 10174697

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40.00 DP

Assistant Commissioner for Patents

Box Assignments

Washington, D.C. 20231

ASSIGNMENT

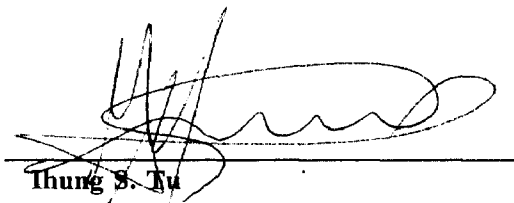
WHEREAS, I, **Ihung S. Tu**, a citizen of Taiwan R.O.C., a resident of 2736 W. Lincoln Ave. #204, Anaheim, California 92801, have invented certain new and useful improvements in **METHOD AND APPARATUS FOR FINDING SHORTEST OVERALL PATH OF MULTIPLE DESTINATIONS BY NAVIGATION SYSTEM**, the application of which for a letter of patent was filed with the United States Patent and Trademark Office on June 15, 2002 with the assigned application No. 10/174,697;

AND WHEREAS, **Alpine Electronics, Inc** (hereinafter "ASSIGNEE"), a Japanese corporation, with its principal place of business at 1-1-8 Nishi Gotanda, Shinagawa-ku, Tokyo, Japan, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in the receipt of valuable consideration which is hereby acknowledged, I, the inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application 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 the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, his 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 the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

This 15 day of July 2002



Ihung S. Tu