

PATENTS ONLY

09-18-2000

PATENTS ONLY

TO THE COMMISSIONER



RADEMARKS

MRD 8/7/00

Please record the

101458364

thereof.

1. Name of Party(ies) conveying an interest:

Satoshi Tanimoto
Koichi Endo
David Hayes

2. Name and Address of Party(ies) receiving an interest:

Name: Alpine Electronics, Inc.
Internal Address: 20-1, Yoshima-kogyodanchi
Street Address: Iwaki-shi Fukushima 970-1192
City:
State/Zip: JAPAN

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

☐ Yes ☒ No

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name Other:
☐ Security Agreement ☐ Merger

Execution Date: August 1, 2000

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:

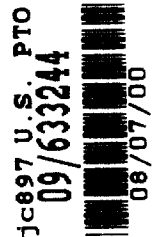
August 1, 2000

Date

A. Patent Application No.(s)

B. Patent No.(s)

09/633 244

Additional numbers attached? ☐ Yes ☒ No

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

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312)321-4200

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

☒ Enclosed
☐ Authorized to be charged to Deposit Account No. 23-19258. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

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.

09/14/2000 MTHAI1 00000290 09633244

FC:581
James P. Naughton - Reg. No. 30,665
Name of Person Signing

Signature

August 7, 2000
Date

Total number of pages including cover sheet, attachments, and document: 4

Rev. Feb-97

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PATENT
REEL: 011063 FRAME: 0409

ASSIGNMENT

WHEREAS, Satoshi Tanimoto, Koichi Endo and David Hayes, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "Route Searching Method", 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, in 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;

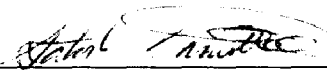
NOW, THEREFORE, in exchange for valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title 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; 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.

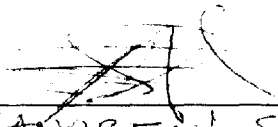
IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: 5/1/2000


Satoshi Tanimoto

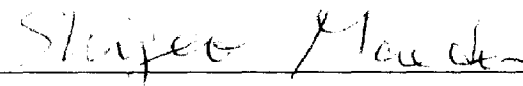
WITNESSED:

DATE: 8 August 2000


(ANDREW S. DE SILVA)

WITNESSED:

DATE: 5/1/2000


Shigeru Maeda

DATE: 8/1/00

Koichi Endo

WITNESSED:

DATE: 8/1/00

Shirley

WITNESSED:

DATE: 8/1/00

Michael Cross

DATE: 8/1/00

David Hayes
David Hayes

WITNESSED:

DATE: 08/01/00

Truc (R) Nguyen
TRUC NGUYEN

WITNESSED:

DATE: 8/01/00

Shigeru Maeda
Shigeru Maeda