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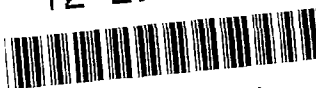
1. Name of Party(ies) conveying an interest:

Futoshi Tomitsuka and Takashi Miyake

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

☐ Yes ☒ No

12-27-2004



102911231 copy thereof.

9333/395

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

Name: Alpine Electronics, Inc.  
Internal Address:  
Street Address: 1-1-8, Nishi Gotanda, Shinagawa-ku  
City: Tokyo  
State/Zip: JAPAN

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

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

Execution Date: November 22, 2004 &amp; December 7, 2004

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:

A. Patent Application No.(s)

10,931,261 filed on August 31, 2004

Date

B. Patent No.(s)

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) \$ 40.00  
☒ Enclosed  
☐ Authorized to be charged to Deposit Account No. 23-1925  
8. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

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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

Signature

December 16, 2004  
Date

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

12/23/2004 ECOOPER 00000025 10931261

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PATENT  
REEL: 016091 FRAME: 0300

**ASSIGNMENT**

WHEREAS, Futoshi Tomitsuka and Takashi Miyake, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "DATA COMMUNICATION SYSTEM, DATA COMMUNICATION METHOD AND COMMUNICATION UNIT", filed on August 31, 2004 and assigned Serial No. 10/931,261;

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; 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.

- 1 -

**ASSIGNMENT**

WHEREAS, Futoshi Tomitsuka and Takashi Miyake, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "DATA COMMUNICATION SYSTEM, DATA COMMUNICATION METHOD AND COMMUNICATION UNIT", filed on August 31, 2004 and assigned Serial No. 10/931,261;

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; 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: November 22, 2004 Futoshi Tomitsuka  
WITNESSED: **Futoshi Tomitsuka**

DATE: November 22, 2004 Masatoshi Ejiri

DATE: November 22, 2004 Takeshi Yoshida

DATE: December 7, 2004 Takashi Miyake  
WITNESSED: **Takashi Miyake**

DATE: December 7, 2004 Masatoshi Ejiri

DATE: December 7, 2004 Takeshi Yoshida