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1. Name of Party(ies) conveying an interest:
 Mitsunori Shirato **7.24.03**
 Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and Address of Party(ies) receiving an interest:
 Name: Alpine Electronics, Inc.
 Internal Address:
 Street Address: 20-1, Yoshima-kogyodanchi
 City: Iwaki-Shi Fukushima 970-1192
 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: July 3, 2003

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:
 Date
 A. Patent Application No.(s) 10/407,810 filed on April 4, 2003
 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 James P. Naughton July 21, 2003
 Name of Person Signing Signature Date

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

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ASSIGNMENT

WHEREAS, Mitsunori Shirato, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled "Apparatus And Method For Recording Digital Broadcast On Exchangeable Storage Medium, And Exchangeable Storage Medium Therefor", filed on April 4, 2003 and assigned Serial No. 10/407,810;

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 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 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: July 03, 2003

Mitsunori Shirato

Mitsunori Shirato

WITNESSED:

DATE: July 03, 2003

Masatoshi Ejiri

DATE: July 3, 2003

Takeshi Yoshida