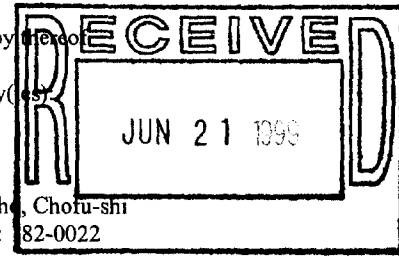




TO THE ASSISTANT COMMISSIONER FOR

101072969



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

Masayuki Kitagawa, Koji Tsuboi, Masanori Matsunaga

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

2. Name and address of receiving party(ies)

Name: Mitsumi Electric Co., Ltd.
Internal Address:
Street Address: 8-8-2, Kokuryo-Cho, Chofu-shi
City: TOKYO State: JAPAN ZIP: 82-0022

Additional name(s) of receiving party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

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

MPD 6-21-99

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) June 8, 1999

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

- () Application(s) filed herewith Execution Date(s):
(X) Patent Application No.: 09/291,800
Filing Date: April 14, 1999
() 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: Ronald J. Schoenbaum
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: MITUM12.001AUS

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

- (X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

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.

Ronald J. Schoenbaum
Name of Person Signing

Signature

June 15, 1999
Date

38,297
Registration No.

Total number of pages including cover sheet, attachments and document: 3

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

06/22/1999 DNGUYEN 00000103 09291800
01 FC:581 40.00 DP

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

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ASSIGNMENT

WHEREAS, We, Masayuki Kitagawa, a citizen of Japan, residing at 258 Santa Louisa, Irvine, CA 92606, Koji Tsuboi, a citizen of Japan, residing at 427 Santa Barbara, Irvine, CA 92606, Masanori Matsunaga, a citizen of Japan, residing at 225 Portico Aisle, Irvine, CA 92606, have invented certain new and useful improvements in a METHOD AND APPARATUS FOR UPDATING FIRMWARE for which we have filed an application for Letters Patent in the United States, Application No. 09/291,800, Filing Date: April 14, 1999;

AND WHEREAS, MITSUMI ELECTRIC CO., LTD. (hereinafter "ASSIGNEE"), a Japanese Corporation, with its principal place of business at 8-8-2, Kokuryo-cho, Chofu-shi, TOKYO 182-0022 JAPAN, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its 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 we 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, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3 day of June 1999.

*Masayuki Kitagawa*

Masayuki Kitagawa

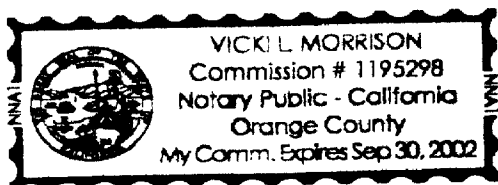
STATE OF  
COUNTY OF

]] ss.

On June 8, 1999, before me, Vicki L. Morrison, personally appeared Masayuki Kitagawa personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



*Vicki L. Morrison*

Notary Signature

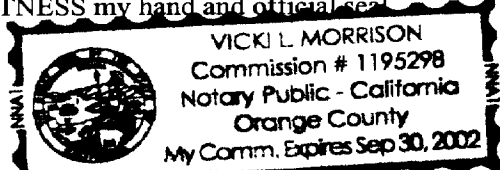
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of June 1999.

[Signature]  
Koji Tsuboi

STATE OF CALIFORNIA ]  
COUNTY OF Orange ] ss.

On June 8, 1999, before me, Vicki L. Morrison, personally appeared Koji Tsuboi personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL] 

[Signature]  
Notary Signature

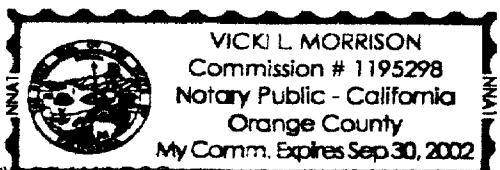
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of June 1999.

[Signature]  
Masanori Matsunaga

STATE OF CALIFORNIA ]  
COUNTY OF Orange ] ss.

On June 8, 1999, before me, Vicki L. Morrison, personally appeared Masanori Matsunaga personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL] 

[Signature]  
Notary Signature

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