

07-10-2002

FORM PTO-1595
P22184.P03U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commission



102150201

hed original documents or copy thereof.

1. Name of Conveying party(ies):
NOMA, Nobuhiko
IMAI, Tatsuo
TOMITA, Keiichi

6-28-02

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

3. Nature of conveyance:

X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ OtherExecution Date: June 22, 24, and 24, 2002

2. Name and address of receiving party(ies)

Name: MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS, INC.

Internal Address: _____

Street Address: 2-3-8 Shimomeguro, Meguro-ku,Tokyo 153-8687 Japan

City: _____ State: _____ ZIP: _____

Additional name(s) and address(es) attached? ___ Yes X No

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

10/183475

If this document is being filed together with a new application, the execution date of the application is: June 22, 24, and 24, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ___ Yes X No

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

Name: Bruce H. BernsteinInternal Address: P22184Street Address: GREENBLUM & BERNSTEIN, P.L.C.1941 Roland Clarke PlaceCity: Reston State: VA ZIP: 201916. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41).....\$ 40.00X Enclosed

___ Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(Attach duplicate copy of this page if paying by deposit account)

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.

Bruce H. Bernstein, Reg. No. 29,027
Name of Person Signing*[Signature]*
Signature6/28/02
DateTotal number of pages including cover sheet, attachments and document: 4Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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PATENT
REEL: 013058 FRAME: 0966

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ASSIGNMENT

WHEREAS, **Nobuhiko NOMA**, a citizen of Japan, whose post office address is 533-6-201 Kamoshida, Aoba-ku, Yokohama-shi, Kanagawa, 227-0033 Japan, **Tatsuo IMAI**, a citizen of Japan, whose post office address is 8-20 Shoufudai, Chigasaki-shi, Kanagawa 253-0005 Japan, and **Keiichi TOMITA**, a citizen of Japan, whose post office address is 143-11-102 Mametocho, Kouhoku-ku, Yokohama-shi, Kanagawa 222-0032 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

**Communication Control Method, Communication Control Apparatus,
and ADSL Communication Apparatus**

for which they have jointly executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1941 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, **Matsushita Graphic Communication Systems, Inc.**, a corporation organized and existing under the laws of Japan, whose post-office address is 2-3-8 Shimomeguro, Meguro-ku, Tokyo 153-8687 Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use

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and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

Witnessed by:

Date*Nobuhiko Noma*Nobuhiko NOMA*June 22, 2002*Date

Date

Witnessed by:

Date*Tatsuo Imai*Tatsuo IMAI*June 24, 2002*Date

Date

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Witnessed by:

Date

Keiichi Tomita June 24, 2002
Keiichi TOMITA Date

Date