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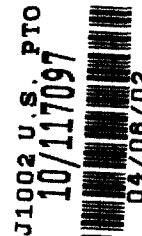
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Katsuyuki SUMITOMO

2. Name and address of receiving party(ies):

MITSUBISHI DENKI KABUSHIKI KAISHA
2-3, Marunouchi 2-chome, Chiyoda-ku,
TOKYO 100-8310 JAPAN



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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: March 29, 2002

Additional name(s) & address(es) attached? Yes No

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

If this document is being filed together with a new application, the execution date of the application is: March 29, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

10/117097

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

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

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

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Reg. No. 21,092

April 8, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

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04/15/2002 6TON11 00000019 10117097

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PATENT
REEL: 012774 FRAME: 0330

ASSIGNMENT

Whereas, I/we, Katsuyuki Sumitomo of c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO, JAPAN, have invented certain improvements in DATA TRANSCIEIVING METHOD AND DATA TRANSCIEIVING EQUIPMENT and executed an application for Letters Patent of the United States of America therefor on March 29, 2002, and

Whereas Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN (assignee), desires to acquire the entire right, title and interest in the said application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, Katsuyuki Sumitomo hereby sell, assign and transfer to the aforesaid Mitsubishi Denki Kabushiki Kaisha (assignee), its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States of America, including the right to claim priority under 35 U.S. Code 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to the said assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by said assignee in connection with the United States when called upon to do so by the said assignee.

Signed and sealed at Japan on March 29, 2002

Date: March 29, 2002

Katsuyuki Sumitomo
Katsuyuki Sumitomo

Date: _____

Date: _____
