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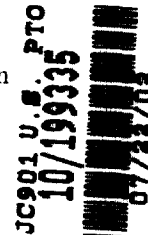
Hiroaki SHIBASAKI
Kenichi KAWASAKI

7.22.02

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

PIONEER CORPORATION

No. 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

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

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- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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Execution Date: June 24, 2002

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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: June 24, 2002

A. Patent Application No.(s)

10/199335

B. Patent No.(s)

Not Yet Assigned

Additional numbers attached? ☐ Yes ☒ No

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

- ☒ Enclosed.
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08/01/2002 TDIAZ1 00000211 10199335

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PATENT
REEL: 013132 FRAME: 0770

ASSIGNMENT

Whereas, I/we Hiroaki SHIBASAKI and Kenichi KAWASAKI both of
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in
INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING METHOD OF INFORMATION
PROCESSING SYSTEM, INFORMATION PROCESSING APPARATUS, AND INFORMATION PROCESSING
and executed an application for Letters Patent of the United States of America therefor on PROGRAM

June 24, 2002

~~2001~~; and

Whereas, PIONEER CORPORATION of
No.4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title and interest in the 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, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority under
35 U.S.C. § 119, and I/we request the Director - U.S. Patent and Trademark Office to issue any
Letters Patent granted upon the invention set forth in the application to the assignee, its successors
and assigns; and I/we will execute without further consideration all papers deemed necessary by the
assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: June 24, 2002

s/ Hiroaki Shibasaki

Date: June 24, 2002

s/ Kenichi Kawasaki

Date:

s/ _____

Date:

s/ _____

Date:

s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

RECORDED: 07/22/2002

PATENT
REEL: 013132 FRAME: 0771