

1/31/05

02-10-2005

Q86053

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To the Director of the U.S. Patent and Trademark Office

1. Name of conveying party(ies): Kiyohisa ICHINO Akihiro MOTOKI Additional name(s) of conveying party(ies) attached? Yes No

NEC CORPORATION 7-1, Shiba 5-chome Minato-ku, Tokyo 108-8001 JAPAN

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3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other

Execution Date: January 27, 2005

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: January 27, 2005

A. Patent Application No.(s) Unknown Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC WASHINGTON OFFICE 23373 CUSTOMER NUMBER

6. Total 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. 19-4880. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. 8. Deposit Account Number: 19-4880 (Attach duplicate copy of this page if paying by deposit account)

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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. Howard E. Bernstein Reg. No. 25,665 January 31, 2005 Date

Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

02/10/2005 6T0M11 00000037 11045090 01 FC:8021 40.00 DP

PATENT REEL: 016231 FRAME: 0382

Assignment

Whereas, I/We, Kiyohisa ICHINO and Akihiro MOTOKI of Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in

METHOD AND SYSTEM FOR RETRIEVING A DATA PATTERN

and executed an application for Letters Patent of the United States of America therefor on _____; and


Whereas, NEC Corporation
7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.

Date: January 27, 2005 Kiyohisa Ichino 

Date: January 27, 2005 Akihiro Motoki 

Date: _____
s/ _____

Date: _____
s/ _____

Date: _____
s/ _____

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

Witness: Muante Kimura 