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1. Name of conveying party(ies):

Yoshiyuki FUKUMOTO
Ken-ichi SHIMURA
Atsushi KAMIJO

4/1/04

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

NEC CORPORATION
7-1, Shiba 5-chome,
Minato-ku, Tokyo, JapanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
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Execution Date: November 13, 2003, November 13, 2003
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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:

A. Patent Application No.(s)
10/697,124

B. Patent No.(s)

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6. Total number of applications and patents involved:

1

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PATENT
REEL: 015178 FRAME: 0229

For Non-U.S. Clients

Assignment

Whereas, ~~I/We~~, Yoshiyuki FUKUMOTO, Ken-ichi SHIMURA, and Atsushi KAMIJO of
Tokyo, Japan

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

MAGNETORESISTANCE DEVICE AND METHOD OF FABRICATING THE SAME
and executed an application for Letters Patent of the United States of America therefor on
20 ; and

Whereas, NEC Corporation
7-1, Shiba 5-chome,
Minato-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 Commissioner of Patents 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 attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: November 13, 2003

Yoshiyuki Fukumoto

Yoshiyuki FUKUMOTO

Date: November 13, 2003

s/

Ken-ichi Shimura

Ken-ichi SHIMURA

Date: November 13, 2003

s/

Atsushi Kamiyo

Atsushi KAMIJO

Witness:

Date: November 13, 2003

s/

Masato Kimura

Date: November 13, 2003

s/

Atsushi Kamiyo

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