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U.S. PTO
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PATENT

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

11/323336

1. Name of conveying party(ies):

Takeshi Katayanagi

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

2. Name and address of receiving party(ies)

Name: NEC Corporation

Internal Address: _____

Street Address: _____

NEC Corporation
7-1, Shiba 5-chome,
Minato-ku,
Tokyo,
Japan

City: _____

State: _____

Country: _____ Zip: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): May 13, 2005

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Michael J. Scheer
DICKSTEIN SHAPIRO MORIN & OSHINSKY
LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1002

Expiration Date 02/28/06

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Michael J. Scheer
Signature

May 19, 2005
Date

Michael J. Scheer - 34,425
Name of Person Signing

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

4

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by TAKESHI KATAYANAGI, _____,
_____, and _____ (hereinafter referred to as
"Assignors"), residing at Tokyo, Japan,
_____, _____, and
_____, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in
MOBILE COMMUNICATION TERMINAL, set forth in a patent
application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, NEC Corporation (hereinafter referred to as
"Assignee"), having offices at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, is
desirous of acquiring the entire right, title and interest in and to said inventions and said
Application for Letters Patent of the United States, and in and to any Letters Patent of
the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other
good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors
have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer
and set over, unto Assignee, its successors, legal representatives and assigns, the entire
right, title and interest in and to the above-mentioned inventions and application for
Letters Patent, and in and to any and all direct and indirect divisions, continuations and
continuations-in-part of said application, and any and all Letters Patent in the United
States and all foreign countries which may be granted therefor and thereon, and reissues,
reexaminations and extensions of said Letters Patent, and all rights under the
International Convention for the Protection of Industrial Property, the same to be held
and enjoyed by Assignee, for its own use and benefit and the use and benefit of its
successors, legal representatives and assigns, to the full end of the term or terms for which

Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document: Edward A. Meilman, Reg. No. 24,735, Gary M. Hoffman, Reg. No. 26,411, Steven I. Weisburd, Reg. No. 27,409, Thomas J. D'Amico, Reg. No. 28,371, Donald A. Gregory, Reg. No. 28,954, Stephen A. Soffen, Reg. No. 31,063, James W. Brady, Jr., Reg. No. 32,115, Jon D. Grossman, Reg. No. 32,699, Mark J. Thronson, Reg. No. 33,082, Michael J. Scheer, Reg. No. 34,425, and Eric Oliver, Reg. No. 35,307, of Dickstein Shapiro Morin & Oshinsky LLP.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Assignors:

Takeshi Katayanagi 
TAKESHI KATAYANAGI

Date: May 13, 2005

Date: _____

Date: _____

Date: _____

Witnesses:

Takeshi Katayanagi

Date: May 13, 2005

Eric Oliver

Date: May 13, 2005