



04-13-2007

DEPARTMENT OF COMMERCE
Patent and Trademark Office



103394527

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

new address(es) below.

1. Name of conveying party(ies):

Hideki Miyamoto

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

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

Execution Date(s): March 15, 2007

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: Ricoh Company, Ltd.

Internal Address:

Street Address:

3-6, Nakamagome 1-chome
Ohta-ku, Tokyo 143-8555
JAPAN

City:

State:

Country:

Zip:

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

4. Application or patent number(s):

A. Patent Application No.(s)

11/705,150

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name:

Mark J. Thronson
DICKSTEIN SHAPIRO LLP

Internal Address: Atty. Dkt.: R2184.0547/P547

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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 01/11

b. Deposit Account Number

Authorized User Name

9. Signature:

Signature

April 9, 2007

Date

Mark J. Thronson - 33,082

Name of Person Signing

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

3

04/10/2007 5ZEWD1E1 00000017 11705150

02 PL:8021

40.00 UP

DSMDB-2240438v01

PATENT
REEL: 019163 FRAME: 0784

ASSIGNMENT

THIS ASSIGNMENT, by HIDEKI MIYAMOTO and, _____

(hereinafter referred to as "Assignors"), residing at Osaka, Japan and _____,
respectively;

WHEREAS, Assignors have invented certain new and useful improvements in
EXTERNAL APPARATUS FUNCTION EXTENSION APPLICATION SYSTEM AND
FIRMWARE DOWNLOAD DRIVER SYSTEM, set forth in a patent application for Letters
Patent of the United States, executed concurrently herewith; and

WHEREAS, Ricoh Company, Ltd. (hereinafter referred to as "Assignee"), having
offices at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555 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 Director of the United States Patent and Trademark Office 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: All practitioners associated with Customer Number 24998 (Dickstein Shapiro LLP).

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

~~March~~^{H.M.} March 15, 2007
Date

Hideaki Miyamoto
HIDEKI MIYAMOTO

Date

Date

March 15, 2007
Date

Takaji Ishihara
Witness

March 15, 2007
Date

Takaji Ishihara
Witness