

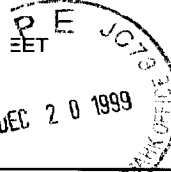
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hajime YUZURIHARA Makoto HARIGAYA
Hiroshi DEGUCHI Mikio KINOSHITA
Michiaki SHINOTSUKA Yoshiyuki KAGEYAMA
Takashi SHIBAGUCHI Michiharu ABE

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: February 4, 1999

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

Name: RICOH COMPANY, LTD.

Internal Address: _____

Street Address: 3-6, Nakamagome 1-chome, Ohta-KuCity/Country Toyo 143-8555, JAPAN

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: Dec. 14, 1998 and Jan. 8, 1999.

A. Patent Application Serial No. 09/199,917
filed: November 25, 1998

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

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

Name: CHRISTOPHER C. DUNHAM

Internal Address: _____

Street Address: COOPER & DUNHAM LLP
1185 Ave. of the Americas

City: NEW YORK State: N.Y. Zip: 100366. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40☐ Enclosed☒ Authorized to be charged to Deposit Account

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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.

CHRISTOPHER C. DUNHAM

Name of Person Signing
Attorney for Applicants

Christopher C. Dunham

Signature
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DEC. 16, 1999

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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, (I) we the undersigned, Hajime YUZURIHARA, Hiroshi DEGUCHI, Michiaki SHINOTSUKA, Takashi SHIBAGUCHI, Makoto HARIGAYA, Mikio KINOSHITA, Yoshiyuki KAGEYAMA and Michiharu ABE

citizens of Japan, residing at c/o Ricoh Company, Ltd., 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan.

Hereby sell, assign and transfer to Ricoh Company, Ltd.
a corporation of Japan, having a place of business at 3-6, Nakamagome 1-chome, Ohta-ku,
Tokyo 143-8555, Japan

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on December 14, 1998
January 8, 1999, and is entitled:

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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Hajime Yuzurihara [L.S.]
Hajime YUZURIHARA

Date: February 4, 1979

Witness:

Mitsaki Kikawa

Hiroshi Deguchi [L.S.]
Hiroshi DEGUCHI

Date: February 4, 1989

Witness:

Masaaki Kimura

Michiaki Shinotsuka [L.S.]
Michiaki SHINOTSUKA

Date: February 4, 1989

Witness:

Masaaki Kimura

Takashi Shibaguchi [L.S.]
Takashi SHIBAGUCHI

Date: February 4, 1989

Witness:

Masaaki Kimura

Makoto Harigaya [L.S.]
Makoto HARIGAYA

Date: February 4, 1989

Witness:

Masaaki Kimura

Mikio Kinoshita

_____[L.S.]
Mikio KINOSHITA

Date: February 4, 1999

Witness:

Masaaki Kimura

Yoshiyuki Kageyama [L.S.]
Yoshiyuki KAGEYAMA

Date: February 4, 1999

Witness:

Masaaki Kimura

Michiharu Abe [L.S.]
Michiharu ABE

Date: February 4, 1999

Witness:

Masaaki Kimura

_____[L.S.]

Date: _____

Witness:
