09-19-2001 FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 1.31-92 Patent and Trademark Office 101848246 Attorney Dkt. 2271/65855 To the Honorable Commissioner of Paterns and madernation incommission ru mo accorded original documents or copy thereof. 1. Name of conveying parties: 2. Name and address of receiving party(ies): Mitsuru SHINGYOHUCHI Name: Ricoh Company, Ltd. Additional name(s) of conveying party(ies) attached? Internal Address: _____ Yes X No 3. Nature of Conveyance: Street Address: 3-6, 1-Chome Nakamagome, Ohta-Ku X Assignment Merger City/Country Tokyo 143-8555, JAPAN Change of Name Security Agreement Additional name(s) & address(es) attached? Other Yes X No xecution Date: August 30, 2001 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: August 30, 2001 B. Patent No.(s) A. Patent Application No.(s) S.N. ___ Yes X No Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41):.....\$ 40 Name: Richard F. Jaworski, Esg. X Enclosed Internal Address: ___ Authorized to be charged to Deposit Account Street Address: Cooper & Dunham LLP 8. Deposit account number: 1185 Avenue of the Americas 03-3125 New York State: N.Y. ZIP 10036 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and application detection is a true copy of the original document. Richard F. Jaworski Reg. No. 33,515 Name of Person Signing Total Number of pages including cover sheet: OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: 72001 AAHMEST DOCOOO14 09948880 Assistant Commissioner for Patents 46.00 JP 1:581 Box Assignments Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be

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PATENT REEL: 012164 FRAME: 0518

Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the undersigned.

MITSURU SHINGYOHUCHI of Kanagawa, 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 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 August 30, 2001 and is entitled

INK JET RECORDING APPARATUS, HEAD DRIVE AND CONTROL DEVICE, HEAD DRIVE AND CONTROL METHOD, AND INK JET HEAD

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

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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.

Date: August 30 2001 Witness: August 30 2001	mitsuru Shingyohuchi [L.S.] MITSURU SHINGYOHUCHI
Date: Witness: Dominudi	[L.S.]

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