Docket No.: 2271/83453

(Rev. 8-96) PATENTS ONLY Patent and Trademark To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Masaki KATO; Kiyoshi YAMAGUCHI; Mitsuru SHINGYOHUCHI Patent and Trademark 2. Name and address of receiving party(ies): Name: RICOH COMPANY, LTD. Internal Address:	k Office			
1. Name of conveying party(ies): Masaki KATO; Kiyoshi YAMAGUCHI; Name: RICOH COMPANY, LTD.	www.vop			
Masaki KATO; Kiyoshi YAMAGUCHI; Name: RICOH COMPANY, LTD.				
Mid CHINCVOHICHI				
MILLON CHINCYONLICHI	i			
Additional name(s) of conveying party(ies) attached? Street Address: 3-6, Nakamagome 1-chome,				
<u> Yes No</u> Ohta-ku				
3. Nature of Conveyance: City/State/Zip: Tokyo, 143-8555, JAPAN				
Assignment Merger				
Security Assignment Change of Name				
Other				
February 3, 2012; Additional name(s) & address(es) attached? Yes No				
Execution bate(s). February 5, 2012,				
February 3, 2012				
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is (are):				
A. Patent Application No.(s) 13/367,584 B. Patent No.(s)				
Additional numbers attached? Tyes No				
5. Name and address of party to whom correspondence concerning				
document should be mailed:				
Name: Paul Teng 7. Total fee (37 CFR §3.41):				
Internal Address: Enclosed				
Street Address: COOPER & DUNHAM LLP				
Authorized to be charged to deposit account				
30 Rockefeller Plaza, 20 th Floor 8. Deposit account number:				
City/State/Zip: New York, New York 10112				
03-3125				
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 any attached copy is a true copy of the original document.	i			
Paul Teng, Reg. No. 40,837 Name of Person Signing Nay 9 CO 12 Date				
Total Number of pages including cover sheet, attachments and				
OMB No. 0651-0011 (exp. 4/94)				
Mail documents to be recorded with required cover sheet information to:				
Mail Stop Assignment Recordation Services				
Director of the United States Patent and Trademark Office P.O. Box 1450				
Alexandria, VA 22313-1450				

REEL: 028185 FRAME: 0307

App. 13/367,584 Filed February 7, 2012 Dkt. 2271/83453

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,

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 was executed by the undersigned concurrently herewith and is entitled

<u>INKJET HEAD</u>

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 Director of the United States Patent and Trademark Office 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

PATENT REEL: 028185 FRAME: 0308

Page 2

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:	February 3, 2012	masaki Kato [L.S.]
		MASAKI KATO
n		[L.S.]-
Date:_		KIYOSHI YAMAGUCHI
Date:	February 3, 2012	<u> Mitsuru Shingyohuchi: [L.S.]</u> MITSURU SHINGYOHUCHI
		MITSUKU SHINGYUHUCHI

Dkt. 2271/

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,

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 was executed by the undersigned concurrently herewith and is entitled

INKJET 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 Director of the United States Patent and Trademark Office 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

Page 2

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:	MASAKI KATO
Date: February 3, 2012	Hiyoshi Janaguchi [L.S.] KIYOSHI YAMAGUCHI
	KIYOSHI YAMAGUCHI
Date:	
	MITSURU SHINGYOHUCHI