Form-PTO-1595	
To the Director, U.S. Patent and Ti	original documents or copy thereof.
1. Name of conveying party(ies): 10321	
(1) Satoshi IBE (5) Kenji ONO (2) Teruo OZAKI (6) Kazuaki SHIBATA (3) Ichiro SAITO (7) Toshiyasu SAKAI (4) Sakai YOKOYAMA	Name: CANON KABUSHIKI KAISHA APR 0 3 2006
Additional name(s) of conveying party(ies) attached? Yes No	Foreign Address: 3-30-2, Shimomaruko, Ohta-ku Tokyo, Japan
3. Nature of conveyance: X Assignment	Domestic Address:
Execution Date(s): (1), (2), (3) and (6) March 30, 2006; (4), (5) and (7) March 31, 2006	City: State ZIP
4. Application number(s) or patent number(s):	Additional name(s) & address(es) attached? Yes X No
If this document is being filed together with a new application, the A. Patent Application Number: 11/340,467 Filing Date: January 27, 2006 Additional numbers attached?	B. Title of Invention: SEMICONDUCTIVE ELEMENT, INK JET HEAD SUBSTRATE AND MANUFACTURING METHOD THEREFOR Yes X No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved:
Name: Fitzpatrick, Cella, Harper & Scinto	One
30 Rockefeller Plaza	7. Total fee (37 CFR 3.41): \$ 40.00
New York, New York 10112-3800	X Enclosed Authorized to be charged to deposit account
Telephone No.: (212) 218-2100	8. Deposit account number (for deficiency or excess)
Facsimile No.: (212) 218-2200	O6-1205 (Attach duplicate copy of this page if paying by deposit account):
#70578006 PBYRKE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.	
Douglas W. Pinsky, Reg. No. 46,994 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and documents: 3	

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> PATENT REEL: 017701 FRAME: 0436

ASSIGNMENT

FOR VALUE RECEIVED, WE

Satoshi IBE;

Ichiro SAITO; Sakai YOKOYAMA;

Kenji ONO;

Teruo OZAKI;

Kazuaki SHIBATA; and Toshiyasu SAKAI

Japan citizens of

hereby sell, assign, transfer and convey unto

CANON KABUSHIKI KAISHA

a corporation of

Japan

having a place of business at

3-30-2 Shimomaruko, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and

interest, for all countries, in and to certain inventions relating to

SEMICONDUCTIVE ELEMENT, INK JET HEAD SUBSTRATE AND MANUFACTURING METHOD

THEREFOR

and described in an application for Letters Patent of the United States executed by us, and filed on 27/JAN/2006 as Application No. 11/340,467, and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

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Date: <u>March</u> . 30, 2006

Date: March. 30.2006

Date: March 30, 2006

Date: march 31, 200 b.

Date: March 31, 2006

Date: March 30, 2006

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PATENT REEL: 017701 FRAME: 0438

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