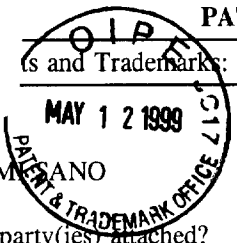


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Patents and Trademarks: Please record the attached original documents or copy thereof.



101042565

1. Name of conveying party: KEISHI SAITO AND MASAFUMI SANO Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies): Name: CANON KABUSHIKI KAISHA Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku Tokyo, Japan

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: April 12, 1999 (last)

Domestic Address: City: State ZIP Additional name(s) & address(es) attached? [] Yes [X] 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: A. Patent Application Number: 09/266,829 Filing Date: March 12, 1999 Additional numbers attached? [] Yes [X] No

B. Title of Invention: SEMICONDUCTOR ELEMENT AND ITS MANUFACTURING METHOD

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Fitzpatrick, Cella, Harper & Scinto 30 Rockefeller Plaza New York, New York 10112-3801 Telephone No.: (212) 218-2100 Facsimile No.: (212) 218-2200

6. Number of applications and patents involved: One 7. Total fee (37 CFR 3.41): \$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number (for deficiency or excess): 06-1205 (Attach duplicate copy of this page if paying by deposit account):

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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.

Peter Saxon Name of Person Signing Signature Date May 11, 1999

Total number of pages including cover sheet, attachments, and documents: 2

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ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, KEISHI SAITO and MASAFUMI SANO

citizens of JAPAN

residing respectively at

369-1-201, Horen-cho, Nara-shi, Nara-ken, Japan; and 2-8, Kizugawadai 2-chome, Soraku-gun, Kyoto, Japan

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA

a corporation of Japan

having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

SEMICONDUCTOR ELEMENT AND ITS MANUFACTURING METHOD

and described in an application for Letters Patent of the United States filed by us on March 12, 1999 and which has been accorded Application No. 09/266,829

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 we hereby authorize and request the Commissioner for Patents and Trademarks of the United States to issue all Letters Patent 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 patent or other form of protection for said inventions, the 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 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 legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of 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 protection for said inventions in the United States.

By: Keishi Saito
KEISHI SAITO

Date: 12 April 1999

By: Masafumi Sano
MASAFUMI SANO

Date: April 12, 1999

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____