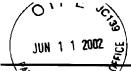
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Atty. Docket: 03500.016270.

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1.		2. Name and address of receiving party(ies):	
	(1) Takaharu Kondo; (2) Shotaro Okabe; (3) Masafumi Sano; (4) Akira Sakai; (5) Ryo Hayashi; (6) Shuichiro Sugiyama.	Name: CANON KABUSHIKI KAISHA	
 	Additional name(s) of conveying party(ies) attached? Yes No	Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku	
3.	Nature of conveyance:	Tokyo, Japan	
	X Assignment	Domestic Address:	
ĺ	Execution Date: (1) May 7, 2002; (2) May 7, 2002;	City: State ZIP	
	(3) May 9, 2002; (4) May 7, 2002; (5) May 9, 2002; (6) May 7, 2002.	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: 10/092,617 Filing Date: March 8, 2002	B. Title of Invention:	
	Filing Date: March 8, 2002	SEMICONDUCTOR ELEMENT, AND METHOD OF FORMING SILICON-BASED FILM	
	Additional numbers attached?	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 10112-3801	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):	
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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.		
Michael K. O'Neill (Reg. No. 32,622) Name of Person Signing Signature June 10, 2002 Date			
Total number of pages including cover sheet, attachments, and documents: 3			

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PATENT REEL: 012981 FRAME: 0917

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JOINT

(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, Takaharu Kondo, Shotaro Okabe, Masafumi Sano, Akira Sakai, Ryo Hayashi and Shuichiro Sugiyama

hereby scil, 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 the United States, in and to certain inventions relating to

SEMICONDUCTOR ELEMENT, AND METHOD OF FORMING SILICON-BASED FILM

and described in an application for Letters Patent of the United States filed by us on March 8, 2002 and which has been accorded Application No. 10/092, 617

and in and to said application, and all divisions, 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 of 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 filed by it or them, the benefit of the right or 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 convenant 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 convenant 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 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.

Takaharu Kondo

By: Shotaro Okabe

By: Masafumi Sano

By: May 9, 2002

By: May 9, 2002

By: Ryo Hayashi

Date: May 9, 2002

PATENT REEL: 012981 FRAME: 0918

(Page 2)

By: Shuichiro Sugiyama Shuichiro Sugiyama	Date: May 7, 2002
By:	Date:
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By:	Date:
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Bv:	Date:

PATENT REEL: 012981 FRAME: 0919