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1. Name of conveying party(ies):

Im-soo PARK, Kun-tack LEE, Yong-pil HAN, Sang-rok HAH

Additional name(s) of conveying party(ies) attached? No

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3. Nature of conveyance:

X Assignment Security Agreement Other

Merger Change of Name 2. Name and address of receiving party(ies):

Name: Samsung Electronics Co., Ltd.

Internal Address:

Street Address: 416 Maetan-dong, Paldal-gu,

City: Suwon-city, Kyungki-do, REPUBLIC OF KOREA

Additional name(s) & address(es) attached? No



Execution Date:

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: June 8, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eugene M. Lee

Internal Address: THE LAW OFFICES OF EUGENE M. LEE

PLLC

Street Address: 2111 Wilson Boulevard, Suite 1200

City: Arlington, State: VA ZIP: 22201

Total number of applications and patents involved: One

7. Total fee (37 C.F.R., 3.41)......\$40.00

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Eugene M. Lee Richard A. Sterba Name of Person Signing

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July 6, 2001

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Total number of pages including cover sheet, attachmets, and document: 2 pages attached, incl. cover

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Washington, D.C. 20231

PATENT

REEL: 011971 FRAME: 0396

249/255

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title of invention	APPARATUS FOR CLEANING SEMICONDUCTOR WAFER AND METHOD FOR CLEANING WAFER USING THE SAME as set forth in his United States Patent Application
check one	X executed concurrently herewith executed on Serial No Filed

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon,including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of The Law Offices of Eugene M Lee, PLLC the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS			
Name: Im-Soo Park	Signature: Im Soo Park	Date: 2001/06/09	
Name: Kun-tack LEE	Signature: Kuntack LEE	Date: 2001/06/08	
Name: Yong-pil HAN	Signature: Gong-pil Itan	Date:2001/6/8	
Name: Sang-rok HAH	Signature: Sang-vok HAH	Date: >001/06/06	
	NAMES AND SIGNATURES OF WITNESSES		
Name:	Signature:	Date:	
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