PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sun-II Shim	04/02/2009
Sung-Hoi Hur	04/02/2009
Jin-Ho Kim	04/02/2009
Su-Youn Yi	04/02/2009

RECEIVING PARTY DATA

Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-Dong
Internal Address:	Yeongtong-gu, Suwon-si
City:	Gyeonggi-do
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12420518

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER: 5649-2515

NAME OF SUBMITTER: Susan E. Freedman

Total Attachments: 5

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PATENT REEL: 022522 FRAME: 0663 12420518

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> PATENT REEL: 022522 FRAME: 0664

ASSIGNMENT

THIS ASSIGNMENT, made by us, Sun-II Shim, citizen of the Republic of Korea, residing at 306-1411 Woosung Apt., Sadang 2-dong, Dongjak-gu, Seoul, Republic of Korea; Sung-Hoi Hur, citizen of the Republic of Korea, residing at 5-803 Gyeongnam Apt., Gaepo 1-dong, Gangnam-gu, Seoul, Republic of Korea; Jin-Ho Kim, citizen of the Republic of Korea, residing at 101-1203 Hengrim Maeul Samsung Raemian Apt., Gisang-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; and Su-Youn Yi, citizen of the Republic of Korea, residing at Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in THREE-DIMENSIONAL MICROELECTRONIC DEVICES INCLUDING REPEATING LAYER PATTERNS OF DIFFERENT THICKNESSES, AND METHODS OF FABRICATING SAME, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 12/420, 518, filed the filing date and application number of said application when April 8, 2009 known or to file this Assignment concurrently with the application, and

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

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ASSIGNMENT - CONTINUED

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

ssignee, its successors, assigns a	and other legal representatives.	
IN WITNESS WHEREOI	F, I have hereunto set my hand and seal on this 2nd	lay
of April , 200 9.		
Sur	an Il Shom (SEAL) n-II Shim	
Witnessed by:		
	-	
Date:		

ASSIGNMENT - CONTINUED

IN WITNI	day, 200_9.
	Lun Lunghai (SEAL) Sung-Hoi Hur
Witnessed by:	
Date:	

ASSIGNMENT – CONTINUED

	ESS WHEREOF, I have he , 200 <u>9</u>	reunto set i	my hand and seal o	on this <u>2nd</u> day
	Jin - He Jin-Ho Kim	Kim	(SEAL)	
Witnessed by:	0 III - 110 1 Siii			
Date:				

ASSIGNMENT - CONTINUED

IN WITNESS	WHEREOF, I have hereunto s	set my hand and seal on this 2nd day
of April	, 200 <u>9</u> .	
	YISUTOUN	(SEAL)
	Su-Youn Yi	
Witnessed by:		
	and the second s	
Dota		

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