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To the Director of the U.S. Patent and Trademark United 31	.7.1256 uments or the new address(es) below.		
1. Name of conveying party(ies) Jang-Soo KIM; Soo-Jin KIM; Kyoung-Tai HAN; Hee-Hwan CHOE; Joo-Han KIM;	2. Name and address of receiving party(ies) Name: Samsung Electronics Co., Ltd. Internal Address:		
Additional name(s) of conveying party(ies) attached? 🔲 Yes 🔯 No	87 <u>7</u>		
3. Nature of conveyance/Execution Date(s):	Street Address: 416 Maetan-dong		
Execution Date(s)	Yeongtong-gu, Suwon-si		
☑ Assignment☐ Merger☐ Security Agreement☐ Change of Name	City: Gyeonggi-do		
☐ Joint Research Agreement	State:		
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: Korea Zip:		
Other	Additional name(s) & address(es) attached? ☐ Yes ☒ No		
4. Application or patent number(s): A. Patent Application No.(s)	ocument is being filed together with a new application. B. Patent No.(s)		
Additional numbers	attached? ☐ Yes ☒ NO		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Name: Jon Y. Ikegami	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address:	☐ Authorized to be charged by credit card		
DLA Piper Rudnick Gray Cary US LLP	☐ Authorized to be charged by dream card ☐ Authorized to be charged to deposit account		
Street Address: 2000 University Avenue	☐ Enclosed ☐ None required (government interest not affecting title)		
City:E. Palo Alto	8. Payment Information		
State: California Zip: 94303	a. Credit Card Last 4 Numbers		

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Signature

Name of Person Signing

Phone Number: 650.833.2104

Ernail Address: jon.ikegami@dlapiper.com

Fax Number: 650.833.2001

9. Signature: _

Jon Y. Ikegami

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PATENT

Date

Expiration Date __

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January 20, 2008-00 DA

Total number of pages including cover

sheet, attachments, and document:

b. Deposit Account Number 07-1896

REEL: 017526 FRAME: 0846

ASSIGNMENT

WHEREAS, We, KIM, Jang-Soo of 250-1302 Hwanggolmaeul Ssangyong apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea; KIM, Soo-Jin of 202, 1029-4 Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea; HAN, Kyoung-Tai of 826-705 Byeokjeokgol 8-danji Woosung apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea; CHOE, Hee-Hwan of 807-209 Mansu Jookong 8-danji apt., Mansu 1-dong, Namdong-gu, Incheon-si, Korea; and, KIM, Joo-Han of 704-402 Samsung 7-cha apt., Bojeong-ri, Guseong-eup, Yongin-si, Gyeonggi-do, Korea have invented certain new and useful improvements in

THIN FILM TRANSISTOR ARRAY PANEL AND MANUFACTURING METHOD THEREOF

, a United States patent for which is filed herewith;

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AND WHEREAS SAMSUNG ELECTRONICS CO., LTD., hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country of the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we am a lawful owner of the application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the inventions or improvements on any of them, and that we have the full right to make this assignment.

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OPP 043037 US

PATENT REEL: 017526 FRAME: 0847 And for the consideration aforesaid, we agree, jointly and individually with any co-inventor(s), that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

. 1

EXECUTED	M, Jaysoo		_ Date:January	2,	2006
KI	M, Jang-Soo				
IN WITNESS WHEI	REOF:				
Witness #1 Witnessed:	L A .	_ Date:	January 2, 20	06	

Address: Seolim Bldg., 649-10 Yoksam-dong, Kangnam-ku, Seoul, Korea

LEE, Kyung-A

2

(Printed Name)

OPP 043037 US

EXECUTED	Date: January 2, 2006
KIM, Soo-Jin	
IN WITNESS WHEREOF:	
Witness #1	
Witnessed:	Date: January 2,, 2006
LEE, Eun-Ju	(Printed-Name)
Address: Seolim Bldg., 649-10 Yoksam-don	g, Kangnam-ku, Seoul, Korea
EXECUTED	Date: January 2, 2006
HAN, Kyoung-Tai	
IN WITNESS WHEREOF:	
Witness #1	
Witnessed: kim, young L	Date: January 2, 2006
KIM, Young-Ju	(Printed Name)
Address: Seolim Bldg., 649-10 Yoksam-dor	ng, Kangnam-ku, Seoul, Korea

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3

OPP 043037 US

PATENT REEL: 017526 FRAME: 0849

EXECUTED	Date:	January	2,	2006
CHOE, Hee-Hwan				
IN WITNESS WHEREOF:				
Witness #1 Witnessed: Date: J		Name)		
EXECUTED KIM, Joo-Han	_ Date: J	anuary 2,	, 20)06
IN WITNESS WHEREOF:				
Witness #1 Witnessed: Park, Yn-Ha Date:	January :	2, 2006		

4

(Printed Name)

OPP 043037 US

PATENT

REEL: 017526 FRAME: 0850

PARK, Yn-Ha

Address: Seolim Bldg., 649-10 Yoksam-dong, Kangnam-ku, Seoul, Korea