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Joo-Ho KIM

Junji TOMINAGA

07-27-2005

2. Name and Address of receiving party(ies):

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu,

Suwon-si, Gyeonggi-do Republic of Korea

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	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 1-3-1 Kasumigaseki, Chiyoda-ku Tokyo JAPAN			
3.	Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date(s): June 15, 2005 and June 16, 2005			
4.	Application number(s) or patent number(s): This document is being filed together with a new application.			
	OR This document is being filed after filing of the application: (a) Patent Application No(s). 10/514,422, filed November 16, 2004; or (b) Patent No(s)., issued.			
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1793.1553 Attention: Michael E. Kondoudis 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005			
6.	Total number of applications and patents involved:1			
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Michael E. Kondoudis, Reg. No. 42,758 Name of Person Signing Signature Total number of pages including cover sheet: 3				
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Revised January, 2005

PATENT REEL: 016796 FRAME: 0766

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(insort Namo(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-Dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Republic of Korea and

National Institute of Advanced Industrial Science and Technology 1-3-1 Kasumigaseki, Chiyoda-ku Toyko, Japan

(heroinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

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(a) executed on .

(Insert date of execution of application, if not concurrent)

(b) filed on . November 16, 2004

Serial No.: 10/514,422

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Lotters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, heroinafter, "said application(s) and Letters Patent(s)").

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IN WITNESS WHEREOF, the undersigned In (Typed Name & Signature of Inventor(s))	nvontor(s) has (have) affixed his/her (Dato)	Their signature(s). (Typed Namo & Signature of Witness(es))
1)_ Joo ho Kim	1 5 June 200 5	
2)Junii TOMINAGA		

PATENT REEL: 016796 FRAME: 0767

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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on . November 16, 2004

Sertel No.: 10/514,422

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(Typed Name & Signature of Inventor(s))	(Dain)	(Typed Name & Signature of Witness(es))
Joo-Ho KiM	-	
Juniforminaga	06/16/2005	

PATENT REEL: 016796 FRAME: 0768

RECORDED: 06/29/2005