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Atty. Docket No.: 9862-000311/US
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	<u> </u>	
RECORD	4-16-2009	
***	marks: 03556964 thereof.	
Name of conveying party(ies):	2. Name and address of receiving party(ies)	
Jung-Deog LEE	Name: Samsung Electronics Co., Ltd.	
Ki-Chul KIM	Street Address: 416, Maetan-dong Yeongtong-gu, Suwon-si	
	City: Gyeonggi-do,	
Additional name(s) of conveying party(ies) attached?	Country: Republic of Korea Postal Code:	
3. Nature of conveyance:	Additional name(s) & address(es) attached?   YES  NO	
☐ Assignment ☐ Merger ☐ Security Agreement		
☐ Change of Name ☐ Other:		
Execution Date: 3/27/2009 and 4/8/2009		
4. Application number(s) or patent number(s): If this document is being filed together with a new ap	plication, the execution date of the application is:	
A. Patent Application No(s).	B. Patent No.(s).	
12/320,604		
Additional numbers atta	ached? 🗌 YES 🛛 NO	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total No. of applications/patents involved: <b>One</b> (1)	
Name: HARNESS, DICKEY & PIERCE, P.L.C.	7. Total fee (37 C.F.R. § 3.41): \$40.00	
Street Address: P.O. BOX 8910	⊠ Enclosed	
City: RESTON State: VA ZIP: 20195	Authorized to be charged to deposit account, if no fee attached.	
Country: USA	8. Deposit account number: <u>08-0750</u>	
	(Attach triplicate copy of this page if paying by deposit account)	
DO NOT VS	E THIS SPACE	
9. Statement and signature.	XX	
To the best of my knowledge and belief, the fo copy is a true copy of the original document.	regoing information is true and correct and any attached	
John A. Castellano, Reg. No. 35,094  Name of Person Signing/Reg. No.	Signature April 13, 2009 Date	
Total number of pages including cove	sheet, attachments, and document: 3	
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PATENT REEL: 022544 FRAME: 0789

#### ASSIGNMENT

Atty. Docket No. 9852-006311/US

WHEREAS, the undersigned, harefruiter referred to distribute as Assigner, has inverted:

# METHOD OF MANUFACTURING TRANSMITTOR HAVING METALS SELECTE AND INSTITUTE OF MANUFACTURING A SELECTION DEVICTOR DEVICE LABOR. THE SAME

for which Assignat is about to make or has made United States or International application for patent

(a) 

anscuted on even date preparatory to filing (each inventor should sign

( <b>&amp;</b> )	ليا	executed on even date preparatory to hand teach inventor another this Application on the same day as harden application Declaration	
		Power of Attorney):	
(b)		executed on or	
(c)	8	filed on 01/39/2009, and seeigned Serial No. 19/320.504 or international Application No and	PC

WHEREAS, Semining Electronics Co., Ltd., 416, Master-clang, Yeological gu, Suwon-si, Gyeonggi-clo, Republic of Kories, habelrather referred to as Realgrand in destrous of acquiring all right, title, and interest therein:

NCM, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby above exciped, anaption agrees to, and solidare deals, sell, design and transfer unto Apolgram stati to successorize in historia, the full and entitlester digits, the and induces in the United States of America and throughout the world, including the light to clean priority under the laws of the United States, the Parisi Convention, and any Energy talking which may be granted therefore, and all divisions, portifications, pleasure, repositionally and subscribes thereof, these rights, the and interest to be riskd and enjoyed by Assignments in the full and of the ions for which the Letters Fessel interest and any experience thereof as tuly and celliny as the same would have been half by Assignor had the apolarization of, or Rabilities for, any of the rights relating to any of the applications or passing resisting transform:

Appendix for the property of t

Analysis has been or the beginning to entered into which would consist the law Applicant and

Analgree transity regilests the United States Palent and Tracegrant Office to leave the Letters Facets of the United States of America to Assigning and angulate tracegrant of the United States of America to Assigning and America (1975) and 1975 official of any country of countries touther to the United States of Assigning to the United States Palent (1987) better Regilestation of Inventor's Certificate to Assigning.

The undersigned training grant(s) the law firm of Harmans, Digitary & Plance, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desimble in order to comply with the rules of the U.S. Patient and Trademark Office for recordation of this document.

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PATENT REEL: 022544 FRAME: 0791

### **ASSIGNMENT**

Atty. Docket No. 9862-000311/US

WHEREAS, the undersigned, hereinalter referred to collectively as Assignor, has invented:

# METHOD OF MANUFACTURING TRANSISTOR HAVING METAL SILICIDE AND METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE USING THE SAME

for which Assignor is about to make or has made United States or International application for patent

(a) 

executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attomay):

(b) executed on \_\_\_\_\_; or

(c) Siled on 01/30/2009, and assigned Serial No. 12/320.604 or PCT International Application No. \_\_\_\_\_; and

WHEREAS, Samsung Electronics Co., Ltd., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full and of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all Instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby coverants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Page 1 of 2

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### **ASSIGNMENT**

Atty. Docket No. 9862-000311/U\$

Dated

Ki-Chul Kim

Ki-Chul Kim

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Dated

Page 2 of 2

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