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U.S. DEPARTMENT OF COMMERCE

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To the	Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name of conveying party(ies): Myungjin JUNG Seokwon BANG Hyoungki LEE Ilhwan KIM				
2.	Name and Address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea				
3.	Nature of conveyance: X Assignment				
4.	Application number(s) or patent number(s): This document is being filed together with a new application: (a) The execution date(s) of the application is/are: November 15, 2004 (b) The title is:THREE-DIMENSIONAL LOCATION MEASUREMENT SENSOR OR This document is being filed after filing of the application: (a) Patent Application No(s). / , filed; 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: 1793.1551 Attention: Michael D. Stein 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005				
6.	Total number of applications and patents involved: 1				
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Assignment) X Enclosed Authorized to be charged to deposit account.				
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account (Attach duplicate copy of this page if paying by deposit account)	:)			
9.	Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
	of Person Signing November 15, 2004 Signature November 15, 2004 Date	-			
	Total number of pages including cover sheet	: <u>2</u>			
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PATENT REEL: 015992 FRAME: 0440

U.S. ASSIGNMENT

SAH LO

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

(insert Name(s) & Address(es) of ASSIGNEE(S))

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

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

THREE-DIMENSIONAL LOCATION MEASUREMENT SENSOR

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relating to International Patent Application was executed on even date herewith or, it	PCT/JP and/or for which application for Letters Patent of the United State f not so executed, was:		
(a) executed on ;	(insert date of execution of application, if not concurrent)		
(b) filed on ,	Any registered attorney of STAAS & HALSEY LP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is		
Serial No. ;	hereby authorized to insert in (b) the specified data, when known.		

and to said application and all Letters 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, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said explication(s) and the issuance of said Letters Patentie), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may also or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful paths, providing sworn testimony, and obtaining and producing evidence.

	N WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). (Typed Name & Signature of Inventor(s)) (Date) (Typed Name & Signature of Witnes)					
1)	Myung Jin Jung Myungjin JUNG	November 15, 2004				
2)	Seokwon BANG	November 15, 2004				
3)	Hyoungki LEE	November 15, 2004				
4)	Man Kim	November 15, 2004				

PATENT REEL: 015992 FRAME: 0441

RECORDED: 11/15/2004