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29-	e2005 Stars & Haisey LLP To the Director of the U.S. H.	103529	392	.Y		
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<b>1</b> .	Name of conveying pai (1) Han KIM (2) Mi-Ja HAN (3) Hyo-Jic JUNG	rty(ies):				
2.	Name and Address of a SAMSUNG ELECTRO 314, Maetan3-Dong, Yeongtong-Gu, Suwon, Gyunggi-Do, KOREA	-MECHĂŃICŠ ĈC ,				
3.	X Assignment    Security Agreer    Other:    Execution Date(s): (1),		Merger Change of er 2, 2008	Name		
4.	Application number(s) o			plication.		
	OR This document is be (a) Patent Applicati (b) Patent No(s).,	on No(s). , filed ; c		ation:		
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: <u>1937.1296</u> Attention: <u>David M. Pitcher</u> 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005					
6.	Total number of applications and patents involved: <u>1</u>					
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) Enclosed Authorized to be charged to deposit account.					
8.	Deposit Account No.: 1 Account) (Attach duplicate copy o		$\sim$		e charged to this Deposit	
David	M. Pitcher, Reg. No. 25,	908	How h MA	Hela -	<u>September 29, 2008</u>	
	of Person Signing		Signature	ncyney —	Date	
			<u>Total</u> n	umber of pages	s including cover sheet: 2	
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## U.S. ASSIGNMENT

Docket No.

S&H 1/00

U.S. PTO 12/285133 09/29/2008

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 ELECTRO-MECHANICS CO., LTD. 314, Maetan3-Dong, Yeongtong-Gu, Suwon, Gyunggi-Do, KOREA 443-743

(hereinafter, "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)

## ELECTROMAGNETIC BANDGAP STUCTURE AND PRINTED CIRCUIT BOARD

relating to International Patent Application PCT/KR\_\_\_/\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_

(b) filed on \_

Serial No.

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

Any registered attorney of STAAS & HALSEY UP, 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 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 application(s) and the issuance of said Letters Patent(s), in any Interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise 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 oaths, providing swom testimony, and obtaining and producing evidence.

IN 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 Witness(es)

1)	Geptember 2 2008	
2) <u>Ja</u> Mi-Ja HAN	September 2.200 P	
3)Hyo-Jic JUNG	September 2.2008	

Additional inventors are being named on separately numbered sheets attached hereto.

## PATENT REEL: 021675 FRAME: 0577

**RECORDED: 09/29/2008**