PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PART	Y DATA			
Name			Execution Date	
Yeong Hyeon KWON			03/09/2009	
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Hyun Woo LEE			03/09/2009	
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PROPERTY NUMBI	ERS Total: 1			
Property Type		Number		
Application Number:		13754538		
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Total Attachments: 2 source=9-2101-3618C1-Assignment#page1.tif source=9-2101-3618C1-Assignment#page2.tif

(1-8) Insert Name(s) of (1) YEONG HYEON KWON JIN SAM KWAK (5) Inventor(s) SEUNG HEE HAN DONG CHEOL KIM (2)(6) (3) HYUN WOO LEE MIN SEOK NOH (7) -- (4) -SUNG-HO MOON (8) In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to (9) Insert name of Assignee LG ELECTRONICS INC. (9) (10) Korea (10) Insert state of Incorporation of Assiance (11) 20 Yoido-dong, Youngdungpo-gu, (11) Insert address of Assignee Seoul, 150-010, Korea (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as (12) Insert identification of (12) SYMBOL MAPPING METHOD FOR REPETITION CHANNEL Invention, such as Title, CODING (Application No. 12/348,121) Case Number or Foreign Application Number for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon. (13) Insert Date of Signing of (13)Application The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional_and_continuing. United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undereigned agree(c) is execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

-5) --The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said-Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

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ASSIGNMENT

The undersigned hereby appoints the Attorneys associated with Customer No. 035884 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the unues of the United States Patent and Trademark Office for recordation of this document.

1) Date: 03/09/2009 Signature of Inventor W 2) Date: 03(09/00) Signature of Inventor Signature of Inventor 3) Date: <u>07/0P/20</u> 4) Date: ____// 200 Signature of Inventor 5) Date: _^/ ふ Signature of Inventor Signature of Inventor_ 6) Date: <u>04 - 09</u> Ø Signature of Inventor 7) Date:

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RECORDED: 01/30/2013