

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hyun Woo LEE	07/14/2010
Min Seok NOH	07/14/2010
Yeong Hyeon KWON	07/13/2010
Seung Hee HAN	07/14/2010
Dong Cheol KIM	07/14/2010
Jin Sam KWAK	07/15/2010
Dragan Vujcic	07/20/2010
RECEIVING PARTY DATA	
Name:	LG Electronics Inc.
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13286147
CORRESPONDENCE DATA	
Fax Number:	(213)623-2211
Phone:	2136232221
Email:	patent@hlaw.com
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Address Line 1:	660 South Figueroa Street, Suite 2300
Address Line 4:	Los Angeles, CALIFORNIA 90017
ATTORNEY DOCKET NUMBER:	2101-3422C1C2

OP \$40.00 13286147

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PATENT
 REEL: 027156 FRAME: 0703

NAME OF SUBMITTER:

Harry S. Lee

Total Attachments: 8

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ASSIGNMENT

- (1-8) *Insert Name(s) of Inventor(s)*
- (1) Hyun Woo LEE
 - (2) Min Seok NOH
 - (3) Yeong Hyeon KWON
 - (4) Seung Hee HAN
 - (5) Dong Cheol KIM
 - (6) Jin Sam KWAK
 - (7) VUJCIC, Dragan

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* (9) LG ELECTRONICS INC.
- (10) *Insert state of Incorporation of Assignee* (10) Korea
- (11) *Insert address of Assignee* (11) 20 Yeouido-dong Yeongdeungpo-gu Seoul 150-721 Korea (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
- (12) *Insert identification of Invention, such as Title, Case Number or Foreign Application Number* (12) METHOD FOR SETTING CYCLIC SHIFT CONSIDERING FREQUENCY OFFSET
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 Application* (13)

1) 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 undersigned agree(s) to 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.

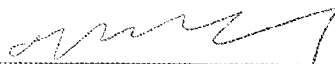
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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.

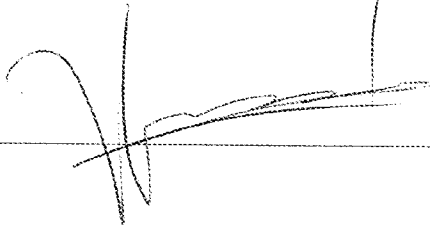
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The undersigned hereby appoints the Attorneys associated with Customer No. 035884 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and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

1) Date: July 14th 2010 Signature of Inventor



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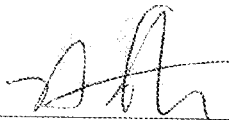


3) Date: _____ Signature of Inventor

4) Date: July 14th 2010 Signature of Inventor



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2) Date: _____ Signature of Inventor _____

3) Date: July 13, 2010 Signature of Inventor  _____

4) Date: _____ Signature of Inventor _____

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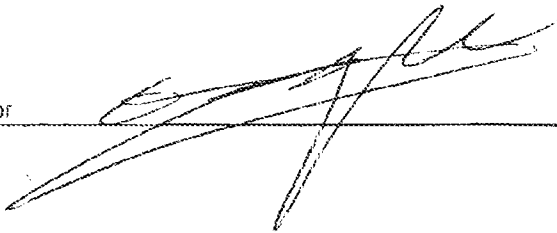
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7) Date: July 20, 2010  _____