

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Seung-Min JEON</td> <td>03/25/2013</td> </tr> <tr> <td>Sung-Seock HWANG</td> <td>03/25/2013</td> </tr> <tr> <td>Jung-Pil HAN</td> <td>03/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Seung-Min JEON	03/25/2013	Sung-Seock HWANG	03/25/2013	Jung-Pil HAN	03/25/2013
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Seung-Min JEON	03/25/2013								
Sung-Seock HWANG	03/25/2013								
Jung-Pil HAN	03/25/2013								
RECEIVING PARTY DATA									
Name:	LG HAUSYS, LTD.								
Street Address:	One IFC Building, 10 Gukjegeumyung-ro, Yeongdeungpo-gu								
City:	Seoul								
State/Country:	KOREA, REPUBLIC OF								
Postal Code:	150-876								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13876411</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13876411				
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Application Number:	13876411								
CORRESPONDENCE DATA									
Fax Number:	7035185499								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Yoon S. Ham								
Total Attachments: 1 source=assg#page1.tif									

OP \$40.00 13876411

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- 1) JEON, Seung-Min 2) HWANG, Sung-Seock
3) HAN, Jung-Pil 4)
5) [] x box if continued on page 2

who has made a certain new and useful invention, hereby sells, assigns and transfers unto LG HAUSYS, LTD. having a place of business at One IFC Building, 10 Gukjegeumyung-ro, Yeongdeungpo-gu, Seoul 150-876, Republic of Korea, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

VACUUM THERMAL-INSULATION MATERIAL, AND A DEVICE AND METHOD FOR ASSESSING THE DEGREE OF VACUUM IN THE VACUUM INSULATION MATERIAL BY USING THE FREQUENCY RESPONSE METHOD

- (a) for which an application for United States Letters Patent was filed on _____, and identified by United States Patent Application No. _____; or
(b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

- 1) [Signature] Name: JEON, Seung-Min Date: March 25, 2013
2) [Signature] Name: HWANG, Sung-Seock Date: March 25, 2013
3) [Signature] Name: HAN, Jung-Pil Date: March 25, 2013
4) Name: Date:
5) Name: Date: