

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>Yong Suk YANG</td> <td>05/03/2013</td> </tr> <tr> <td>In-Kyu YOU</td> <td>05/03/2013</td> </tr> <tr> <td>Minseok KIM</td> <td>05/03/2013</td> </tr> <tr> <td>Soon-Won JUNG</td> <td>05/03/2013</td> </tr> <tr> <td>Bock Soon NA</td> <td>05/03/2013</td> </tr> <tr> <td>Sang Chul LIM</td> <td>05/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yong Suk YANG	05/03/2013	In-Kyu YOU	05/03/2013	Minseok KIM	05/03/2013	Soon-Won JUNG	05/03/2013	Bock Soon NA	05/03/2013	Sang Chul LIM	05/03/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Electronics and Telecommunications Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>161, Gajeong-dong, Yuseong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>305-700</td> </tr> </table>		Name:	Electronics and Telecommunications Research Institute	Street Address:	161, Gajeong-dong, Yuseong-gu	City:	Daejeon	State/Country:	KOREA, REPUBLIC OF	Postal Code:	305-700				
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PROPERTY NUMBERS Total: 1															
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Application Number:	13934635														
CORRESPONDENCE DATA															
Fax Number:	2024080924														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	HANB-142														
NAME OF SUBMITTER:	Robert H. Berdo, Jr.														

OP \$40.00 13934635

Signature:	/Robert H. Berdo, Jr./
Date:	07/03/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2 source=HANB-142-Combined-Asgn-Dec#page1.tif source=HANB-142-Combined-Asgn-Dec#page2.tif	

Attorney Reference: _____
Client Reference: IP20120405/PPE120208-US(LEE)

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Yong Suk YANG; In-Kyu You; Minseok KIM; Soon-Won Jung; Na Bock Soon and LIM Sang Chul hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to PLANARIZING PRINTED ELECTRONIC DEVICE AND METHOD FOR MANUFACTURING THE SAME

said application being attached hereto;
 said application having been filed in the United States Patent and Trademark Office on _____, as Application Serial No. _____, and was amended on _____ (if applicable);
 the specification of which was filed under the Patent Cooperation Treaty on _____, Serial No. _____, the United States of America being designated.

AND WHEREAS Electronics and Telecommunications Research Institute of 161, Gajeong-dong, Yuseong-gu, Daejeon 305-700 Republic of Korea, hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.


AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

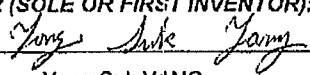
As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.


Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101 14th Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

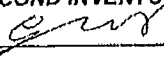
, Na Bock Soon, Lim Sang Chul


WITNESS:
Signature: 
Name: CHO, Yoon-Hee
Address: 15th Fl. Gusegun Bldg. 7 Chungjeong-ro
Seodaemun-gu, Seoul 120-013, Rep. of Korea

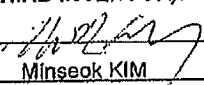
ASSIGNOR (SOLE OR FIRST INVENTOR):
Signature: 
Legal Name: Yong Suk YANG
Date: 2013 / 5 / 3


Continued -Page 2
ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT


WITNESS:
Signature: 
Name: CHO, Yoon-Hee
Address: 15th Fl. Gusegun Bldg. 7 Chungjeong-ro
Seodaemun-gu, Seoul 120-013, Rep. of Korea


ASSIGNOR (SECOND INVENTOR):
Signature: 
Legal Name: You, In-Kyu
Date: May 2nd 2013


WITNESS:
Signature: 
Name: CHO, Yoon-Hee
Address: 15th Fl. Gusegun Bldg. 7 Chungjeong-ro
Seodaemun-gu, Seoul 120-013, Rep. of Korea


ASSIGNOR (THIRD INVENTOR):
Signature: 
Legal Name: Minseok KIM
Date: 5.3.2013

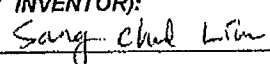
WITNESS:
Signature: 
Name: CHO, Yoon-Hee
Address: 15th Fl. Gusegun Bldg. 7 Chungjeong-ro
Seodaemun-gu, Seoul 120-013, Rep. of Korea

ASSIGNOR (4th INVENTOR):
Signature: 
Legal Name: Soon-Won Jung
Date: 5.3.2013

WITNESS:
Signature: 
Name: CHO, Yoon-Hee
Address: 15th Fl. Gusegun Bldg. 7 Chungjeong-ro
Seodaemun-gu, Seoul 120-013, Rep. of Korea

ASSIGNOR (5th INVENTOR):
Signature: 
Legal Name: Na, Bock Soon
Date: 5.3.2013

WITNESS:
Signature: 
Name: CHO, Yoon-Hee
Address: 15th Fl. Gusegun Bldg. 7 Chungjeong-ro
Seodaemun-gu, Seoul 120-013, Rep. of Korea

ASSIGNOR (6th INVENTOR):
Signature: 
Legal Name: LIM, Sang Chul
Date: May. 3, 2013

RABIN & BERDO, P.C., Washington, D.C.