

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>Jin Ho LEE</td> <td>05/22/2013</td> </tr> <tr> <td>Hui Yong KIM</td> <td>05/22/2013</td> </tr> <tr> <td>Sung Chang LIM</td> <td>05/22/2013</td> </tr> <tr> <td>Jong Ho KIM</td> <td>05/22/2013</td> </tr> <tr> <td>Ha Hyun LEE</td> <td>05/22/2013</td> </tr> <tr> <td>Se Yoon JEONG</td> <td>05/22/2013</td> </tr> <tr> <td>Suk Hee CHO</td> <td>05/22/2013</td> </tr> <tr> <td>Jin Soo CHOI</td> <td>05/22/2013</td> </tr> <tr> <td>Jin Woong KIM</td> <td>05/22/2013</td> </tr> <tr> <td>Chie Teuk AHN</td> <td>05/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jin Ho LEE	05/22/2013	Hui Yong KIM	05/22/2013	Sung Chang LIM	05/22/2013	Jong Ho KIM	05/22/2013	Ha Hyun LEE	05/22/2013	Se Yoon JEONG	05/22/2013	Suk Hee CHO	05/22/2013	Jin Soo CHOI	05/22/2013	Jin Woong KIM	05/22/2013	Chie Teuk AHN	05/22/2013
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RECEIVING PARTY DATA																							
Name:	Electronics and Telecommunications Research Institute																						
Street Address:	161 Gajeong-dong, Yuseong-gu 305-700																						
City:	Daejeon-si																						
State/Country:	KOREA, REPUBLIC OF																						
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>13991279</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13991279																		
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Application Number:	13991279																						
CORRESPONDENCE DATA																							
Fax Number:	2023153758																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone:	202-429-0020																						
Email:	info@nsiplaw.com																						
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Address Line 1:	P.O. Box 65745																						
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20035																						

OP \$40.00 13991279

ATTORNEY DOCKET NUMBER:	022090.0020
NAME OF SUBMITTER:	Nicholas M. Stabler
Signature:	/Nicholas M. Stabler/
Date:	06/03/2013
Total Attachments: 4 source=NewApp_0220900020_AssignmentExecuted_Updated#page1.tif source=NewApp_0220900020_AssignmentExecuted_Updated#page2.tif source=NewApp_0220900020_AssignmentExecuted_Updated#page3.tif source=NewApp_0220900020_AssignmentExecuted_Updated#page4.tif	

ASSIGNMENT

For valuable consideration, we,

LEE, Jin Ho	313-1102 Youngbangmaeul Apt., Yongun-dong, Dong-gu Daejeon-si 300-787, Republic of Korea
KIM, Hui Yong	601-201 Yeolmaemaoul Apt., Jijok-dong, Yuseong-gu Daejeon-si 305-770, Republic of Korea
LIM, Sung Chang	Rm. 201 Sejongvilla, 254-8 Sinseong-dong, Yuseong-gu Daejeon 305-805, Republic of Korea
KIM, Jong Ho	Rm. 205 Finehouse, 146-8 Sinseong-dong, Yuseong-gu Daejeon-si 305-804, Republic of Korea
LEE, Ha Hyun	136-5 Myeonmok 2-dong, Jungnang-gu, Seoul 131-819, Republic of Korea
JEONG, Se Yoon	101-1203 Geumseong Baekjo Apt., Birae-dong, Daedeok-gu Daejeon-si 306-769, Republic of Korea
CHO, Suk Hee	103-802 Humansia Apt., Bongsan-dong, Yuseong-gu Daejeon-si 305-763, Republic of Korea
CHOI, Jin Soo	609-1605 Banseokmaeul 6 Danji Apt., 613 Banseok-dong, Yuseong-gu Daejeon-si 305-750, Republic of Korea
KIM, Jin Woong	305-1603 Expo Apt., Jeonmin-dong, Yuseong-gu Daejeon-si 305-761, Republic of Korea
AHN, Chie Teuk	2-504 KAIST Apt., Doryong-dong, Yuseong-gu Daejeon-si 305-340, Republic of Korea

hereby assign to:

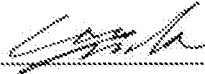
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH

INSTITUTE, a Republic of Korea corporation/institution/foundation/institute having principal executive office(s) or place of business at: 161 Gajeong-dong, Yuseong-gu Daejeon 305-700, Republic of Korea; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 13/991,279 filed June 3, 2013 at the U.S. Patent & Trademark Office signed by us, with title **INTRA PREDICTION METHOD AND APPARATUS**, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting

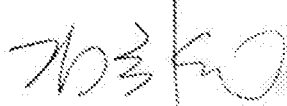
above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This 22nd day of May, 2013


Signature: LEE, Jin Ho

This 22nd day of May, 2013


Signature: KIM, Hui Yong

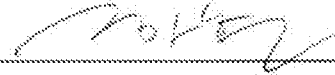
This 22nd day of May, 2013


Signature: LIM, Sung Chang

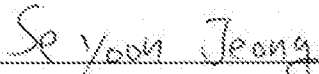
This 22nd day of May, 2013


Signature: KIM, Jong Ho

This 22nd day of May, 2013


Signature: LEE, Ha Hyun

This 22nd day of May, 2013


Signature: JEONG, Se Yoon

This 22nd day of May, 2013

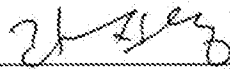

Signature: CHO, Suk Hee

This 22nd day of May, 2013



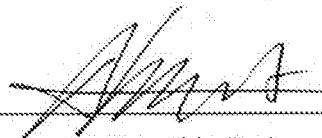
Signature: CHOI, Jin Soo

This 22nd day of May, 2013



Signature: KIM, Jin Woong

This 22nd day of May, 2013



Signature: AHN, Chie Teuk