

## 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>Soon Choul Kim</td><td>04/30/2009</td></tr><tr><td>Young Ho Jeong</td><td>04/30/2009</td></tr><tr><td>Heejeong Kim</td><td>04/30/2009</td></tr><tr><td>Eun Jung Kwon</td><td>04/30/2009</td></tr><tr><td>O Hyung Kwon</td><td>04/30/2009</td></tr><tr><td>Soo In Lee</td><td>04/30/2009</td></tr></tbody></table>	Name	Execution Date	Soon Choul Kim	04/30/2009	Young Ho Jeong	04/30/2009	Heejeong Kim	04/30/2009	Eun Jung Kwon	04/30/2009	O Hyung Kwon	04/30/2009	Soo In Lee	04/30/2009	
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Postal Code:	305-700														
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>12553942</td></tr></tbody></table>	Property Type	Number	Application Number:	12553942											
Property Type	Number														
Application Number:	12553942														
CORRESPONDENCE DATA															
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PATENT  
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Total Attachments: 2

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**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.:

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Soon Choul KIM of No. 503-1101, Yangji Maeul 5-danji Apt., 622 Banseok-dong, Yuseong-gu, Daejeon 305-750, Republic of Korea; Young Ho JEONG of No. 1107-1204, Woolim Fillu Apt., Yongsan-dong, Yuseong-gu, Daejeon 305-500, Republic of Korea; Heejeong KIM of No. 802-1101, Yeolmae Maeul Apt., Noeun-dong, Yuseong-gu, Daejeon 305-768, Republic of Korea; Eun Jung KWON of No. 102-603, Sang-a Apt., Mannyeon-dong, Seo-gu, Daejeon 302-739, Republic of Korea; O Hyung KWON of No. 107-1103, Hanvit Apt., Eoeun-dong, Yuseong-gu, Daejeon 305-755, Republic of Korea; Soo In LEE of No. 106-606, Clover Apt., Dunsan-dong, Seo-gu, Daejeon 302-120, Republic of Korea,

hereby sell, assign, and transfer to

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE,

a Corporation of the Republic of Korea, having a principal place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled DOWNLOADABLE CONDITIONAL ACCESS SYSTEM AND METHOD OF SESSION CONTROL FOR SECURED 2-WAY COMMUNICATION BETWEEN AUTHENTICATION SERVER AND HOST DEVICE IN DOWNLOADABLE CONDITIONAL ACCESS SYSTEM, said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 12/553,942 filed \_\_\_\_\_, and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other

patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

April 30, 2009  
Date

Soon Choul KIM  
Signature

Soon Choul KIM  
Printed/Typed Name

April 30, 2009  
Date

Jeong Young Ho  
Signature

Young Ho JEONG  
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April 30, 2009  
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Hee Jeong Kim  
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Signature

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