# PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

## SUBMISSION TYPE:
NEW ASSIGNMENT

## NATURE OF CONVEYANCE:
ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyoung Jin KWON</td>
<td>06/04/2010</td>
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<tr>
<td>Jin Kyeong KIM</td>
<td>06/04/2010</td>
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<tr>
<td>Woo Yong LEE</td>
<td>06/04/2010</td>
</tr>
<tr>
<td>Kyeongpyo KIM</td>
<td>06/04/2010</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
- **Street Address:** 161 Gajeong-dong, Yuseong-gu
- **City:** Daejeon
- **State/Country:** REPUBLIC OF KOREA
- **Postal Code:** 305-700

### PROPERTY NUMBERS Total: 1

<table>
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<tr>
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<tr>
<td>Application Number</td>
<td>12747138</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (202)408-0924  
  *Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*
- **Phone:** 202-371-8976
- **Email:** firm@rabinberdo.com
- **Correspondent Name:** Rabin & Berdo, P.C.
- **Address Line 1:** 1101 14th St. N.W.
- **Address Line 2:** Suite 500
- **Address Line 4:** Washington, DISTRICT OF COLUMBIA 20005

### ATTORNEY DOCKET NUMBER:
MUH-106NP

### NAME OF SUBMITTER:
Steven M. Rabin

Total Attachments: 2

501200317

PATENT  
REEL: 024511 FRAME: 0619
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hyoung Jin KWON of Daejeon, Republic of Korea; Jin Kyeong KIM of Daejeon, Republic of Korea; Woo Yong LEE of Daejeon, Republic of Korea; and Kyeongho KIM of Daejeon, Republic of Korea hereinafter referred to collectively as the assignor, have invented a certain improvement relating to APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING STREAMING DATA USING MULTIPLE PATH

[ ] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
[ ] said application having been filed in the United States Patent and Trademark Office on _______________, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr. and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No. _______________) the application serial number of said application when known;

AND WHEREAS Electronics and Telecommunications Research Institute of 161 Gajeong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea hereinafter referred to as the assignee, 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, said assignor'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 assignor'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 assignor'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 assignor'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 assignor's successors and assigns, in accordance herewith.

EXECUTED, this ___ day of ______________, 2010.

WITNESSES:

Signature: ____________________________

Name: ________________________________

Address: ______________________________

Signature: ____________________________

Name: ________________________________

Address: ______________________________

RABIN & BERDO, P.C., Washington, D.C.
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 3

WITNESSES:
Signature: __________________________________________
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ASSIGNOR:
Signature: __________________________________________
Name: Jin Kyeong KIM

Signature: __________________________________________
Name: Woo Yong LEE

Signature: __________________________________________
Name: Kyeongyo KIM

Signature: __________________________________________
Name: ____________________________