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12-19-2005



103139693

TO THE COMMISSIONER OF THE U.S. PATENT AND TRADEMARK OFFICE  
Sir:

Please record the attached original documents or copy thereof as follows.

**1. NAME OF CONVEYING PARTIES [ASSIGNOR(S)]:**

- a. HAN, Kyu Seo
- b. CHUN, Byung Tae
- c. LEE, Jae Yeon
- d. CHUNG, Yun Koo
- e. AHN, Chieteuk
- f.
- g.
- h.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

**2. PARTIES [ASSIGNEE(S)] RECEIVING INTEREST:**

NAME: **Electronics and Telecommunications Research Institute**  
ADDRESS: 161 Gajeong-dong, Yuseong-gu, 305-350 Daejeon, Republic of Korea

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

**3. NATURE OF CONVEYANCE/DOCUMENT:**

<input checked="" type="checkbox"/> Assignment	Assignment of: <input type="checkbox"/> Part interest <input checked="" type="checkbox"/> Whole interest	Conveyance document attached is a:	
<input type="checkbox"/> Change of Name		<input checked="" type="checkbox"/> Copy	<input type="checkbox"/> Original
<input type="checkbox"/> Other:		<input type="checkbox"/> Certified document	

Execution Date(s) on the Conveyance/Document: **April 18, 2005 and April 19, 2005**

Execution Date(s) on the Declaration (if filed herewith): **April 18, 2005 and April 19, 2005**

**4. APPLICATION AND/OR PATENT NUMBER(S):** Additional sheets attached?  YES  NO

a. Application Number(s)	Matter No.	First Inventor	b. Patent Number(s)	Matter No.	First Inventor
New Application	122991-05050635	Kyu Seo HAN, et al.			

**5. NAME & ADDRESS OF PARTY TO WHOM CORRESPONDENCE CONCERNING DOCUMENT SHOULD BE MAILED:**

Customer No. 43569  
Mayer, Brown, Rowe & Maw LLP  
Intellectual Property Group  
1909 K Street, N.W.  
Washington, D.C. 20006-1101

**6. NUMBER OF PROPERTIES INVOLVED:**  
Applns 1 + Patents 0 = Total: 1

**7. AMOUNT OF FEE DUE:**  
Above Total 1 x \$40 = \$ 40 (Fee Code 8021)

**8. PLEASE CHARGE TO:**  
DEPOSIT ACCOUNT NO. 503-121  
Under Order No. 122991-05050635  
Client/Matter No.

**9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.**

**10. TOTAL NUMBER OF PAGES** (including cover sheet, attachments and documents): 2

Signature

Name of Attorney: Yoon S. Ham  
Registration No. 45,307

Date: April 22, 2005  
Telephone: (202) 263-3280 / Facsimile: (202) 263-5280

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Mayer Brown Rowe & Maw LLP  
Intellectual Property Group  
1909 K Street, N.W.  
Washington, D.C. 20006

### ASSIGNMENT OF NONPROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

INSERT NAME(S) OF INVENTOR(S)	(1) Kyu Seo HAN	(2) Byung Tae CHUN
	(3) Jae Yeon LEE	(4) Yun Koo CHUNG
	(5) Chieteuk AHN	<input type="checkbox"/> x box if continued on page 2

(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

TITLE OF INVENTION	METHOD AND APPARATUS FOR MOTION ESTIMATION USING ADAPTIVE SEARCH PATTERN FOR VIDEO SEQUENCE COMPRESSION
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for which an application for Letters Patents of the United States of America:

- (A)  was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or  
 (B)  was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_

AND WHEREAS,

INSERT NAME(S) AND ADDRESS(ES) OF ASSIGNEE(S)	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of 161 Gajeong-dong, Yuseong-gu, 305-350 Daejeon, Republic of Korea
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(hereinafter "ASSIGNEE"), duly organized and existing under the laws of Republic of Korea, desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and

Additionally, the undersigned further authorize(s) Mayer Brown Rowe & Maw LLP, 1909 K Street, N.W., Washington, D.C. 20006, to insert hereon any further identification necessary or desirable for recordation of this document.

	<u>INVENTORS</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
1) Name:	<u>Kyu Seo HAN</u>	<u>April, 18, 2005</u>	_____
2) Name:	<u>Byung Tae CHUN</u>	<u>April 18, 2005</u>	_____
3) Name:	<u>Jae Yeon LEE</u>	<u>April 18, 2005</u>	_____
4) Name:	<u>Yun Koo CHUNG</u>	<u>April 18, 2005</u>	_____
5) Name:	<u>Chieteuk AHN</u>	<u>April 18, 2005</u>	_____