

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Seung Kwon BEACK	12/20/2010
Tae Jin LEE	12/20/2010
Min Je KIM	12/20/2010
Dae Young JANG	12/20/2010
Kyeongok KANG	12/20/2010
Jin Woo HONG	12/20/2010
Ho Chong PARK	12/16/2010
Young-cheol PARK	12/16/2010

**RECEIVING PARTY DATA**

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Street Address:	161, Gajeong-dong, Yuseong-gu
City:	Daejeon
State/Country:	REPUBLIC OF KOREA
Postal Code:	305-700

Name:	Kwangwoon University Industry-Academic Collaboration Foundation
Street Address:	447-1, Wolgye-dong, Nowon-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	139-701

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13057832

**CORRESPONDENCE DATA**

Fax Number: (202)434-1501

CH \$40.00 13057832

**501429495**

**PATENT  
 REEL: 025759 FRAME: 0265**

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ATTORNEY DOCKET NUMBER:

2117.1069

NAME OF SUBMITTER:

J. Randall Beckers

Total Attachments: 6

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# U.S. ASSIGNMENT

S&H 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

Electronics and Telecommunications Research Institute  
 161 Gajeong-dong, Yuseong-gu  
 Daejeon 305-700  
 Republic of Korea

Kwangwoon University Industry-Academic Collaboration Foundation  
 447-1, Wolgye-dong, Nowon-Gu  
 Seoul 139-701  
 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
 (Title of Invention)

## ENCODING APPARATUS AND DECODING APPARATUS FOR TRANSFORMING BETWEEN MODIFIED DISCRETE COSINE TRANSFORM-BASED CODER AND HETERO CODER

relating to International Patent Application PCT/KR2009/005340 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. ;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").



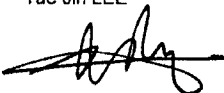
The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.




IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	 Seung Kwon BEACK	Dec. 20, 2010	
2)	 Tae Jin LEE	Dec. 20, 2010	
3)	 Min Je KIM	Dec. 20, 2010	

- 4)  DEC. 20th 2010  
Bae Young JANG
- 5)  Dec. 20th, 2010  
Kyeongok KANG
- 6)  Dec. 20, 2010  
Jin Woo HONG
- 7) \_\_\_\_\_  
Ho Chong PARK
- 8) \_\_\_\_\_  
Young-cheol PARK

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Tae Jin LEE

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Ho Chong PARK

Dec. 16, 2010

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Young-cheol PARK

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Seung Kwon BEACK

2) \_\_\_\_\_  
Tae Jin LEE

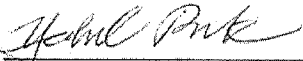
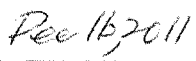
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