

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6057058

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEUNG KWON BEACK	07/01/2011
TAE JIN LEE	07/01/2011
MIN JE KIM	07/01/2011
KYEONGOK KANG	07/01/2011
DAE YOUNG JANG	07/04/2011
JING WOO HONG	07/04/2011
JEONGIL SEO	07/01/2011
CHIETEUK AHN	07/01/2011
HOCHONG PARK	07/04/2011
YOUNG-CHEOL PARK	07/04/2011

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16846272

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NAME OF SUBMITTER:	JUN-HWA JEONG
SIGNATURE:	/Jun-Hwa Jeong/
DATE SIGNED:	04/10/2020

Total Attachments: 5

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JP20081229A 특허법인 무한

ASSIGNMENT

I/We BEACK, Seung Kwon of Daejeon, Republic of Korea; LEE, Tae Jin of Daejeon, Republic of Korea; KIM, Min Je of Daejeon, Republic of Korea; KANG, Kyeongok of Daejeon, Republic of Korea; JANG, Dae Young of Daejeon, Republic of Korea; HONG, Jin Woo of Daejeon, Republic of Korea; SEO, Jeongil of Daejeon, Republic of Korea; AHN, Chieuteuk of Daejeon, Republic of Korea; PARK, Hochong of Seoul, Republic of Korea; and PARK, Young-cheol of Gangwon-do, Republic of Korea, in consideration of One Dollar and other valuable consideration paid to me/us by

Electronics and Telecommunications Research Institute

having its principal place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Kwangwoon University Industry-Academic Collaboration Foundation

having its principal place of business at 447-1, Wolgye-dong, Nowon-Gu, Seoul 139-701, Republic of Korea, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Electronics and Telecommunications Research Institute

Kwangwoon University Industry-Academic Collaboration Foundation

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**LPC RESIDUAL SIGNAL ENCODING/DECODING APPARATUS OF MODIFIED
DISCRETE COSINE TRANSFORM (MDCT)-BASED UNIFIED VOICE/AUDIO
ENCODING DEVICE**

described in an application

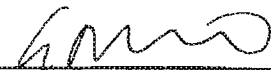
- ☐ executed by us of even date herewith and about to be filed
☒ serial No. 13/124,043, filed on April 13, 2011

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon.

And I/we agree, for myself/ourselves and my/our executor(s) and administrator(s), with said assignee and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to

do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said assignee, with specifications and claims in such form as shall be approved by the counsel of said assignee and to vest and confirm in said assignee, its successors and assigns, the legal title to all such patents.

And I/we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said assignee, its successors and assigns. And I/we do further hereby grant the attorneys/agents of Nelson Mullins Riley and Scarborough LLP, One Post Office Square, Boston, Massachusetts 02109-2127, the power to insert on this Assignment the filing date and/or application number of said application.


By: 
BEACK, Seung Kwon

Date: 1st July, 2011

Witnesses:

Name _____

Date _____

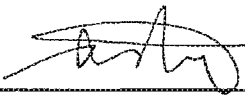
By: 
LEE, Tae Jin

Date: July 1st, 2011

Witnesses:

Name _____

Date _____

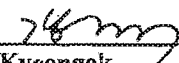
By: 
KIM, Min Je

Date: July 1st, 2011

Witnesses:

Name _____

Date _____

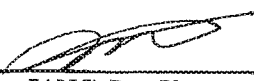
By: 
KANG, Kyeongok

Date: July 1, 2011

Witnesses:

NAME _____

Date _____

By: 
JANG, Dae Young

Date: Jul. 4. 2011

Witnesses:

Name _____

Date _____


By: 
HONG, Jing Woo

Date: Jul. 4. 2011

Witnesses:

Name _____

Date _____

By: 
SEO, Jeongil

Date: July 1. 2011

Witnesses:

Name _____

Date _____

By: 
AHN, Chietek

Date: July 1. 2011

Witnesses:

NAME _____

Date _____

By: 

PARK, Hochong

Date: July 04, 2011

Witnesses:

Name_____
DateBy: 

PARK, Young-cheol

Date: July 4, 2011

Witnesses:

Name_____
Date