

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6144365

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
SUNG CHANG LIM	06/10/2013
JONG HO KIM	06/10/2013
HAE CHUL CHOI	06/04/2013
HUI YONG KIM	06/10/2013
HA HYUN LEE	06/10/2013
JIN HO LEE	06/10/2013
SE YOON JEONG	06/10/2013
SUK HEE CHO	06/10/2013
JIN SOO CHOI	06/12/2013
JIN WOO HONG	06/12/2013
JIN WOONG KIM	06/10/2013

**RECEIVING PARTY DATA**

<b>Name:</b>	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
<b>Street Address:</b>	218, GAJEONG-RO,
<b>Internal Address:</b>	YUSEONG-GU
<b>City:</b>	DAEJEON
<b>State/Country:</b>	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
<b>Postal Code:</b>	34129

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16896493

**CORRESPONDENCE DATA**

Fax Number: (414)277-0656

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: 4142716560

Email: mkeipdocket@michaelbest.com, lachristiansen@michaelbest.com

Correspondent Name: MICHAEL BEST &amp; FRIEDRICH LLP

Address Line 1: 790 N. WATER STREET

Address Line 2: SUITE 2500


**PATENT**


<b>Address Line 4:</b>	MILWAUKEE, WISCONSIN 53202
<b>ATTORNEY DOCKET NUMBER:</b>	498195-9026-US04
<b>NAME OF SUBMITTER:</b>	MICHAEL P. SANTONOCITO
<b>SIGNATURE:</b>	/michael p. santonocito/
<b>DATE SIGNED:</b>	06/09/2020
<b>Total Attachments: 8</b> source=498195-9026-US04_Dec_Assign#page1.tif source=498195-9026-US04_Dec_Assign#page2.tif source=498195-9026-US04_Dec_Assign#page3.tif source=498195-9026-US04_Dec_Assign#page4.tif source=498195-9026-US04_Dec_Assign#page5.tif source=498195-9026-US04_Dec_Assign#page6.tif source=498195-9026-US04_Dec_Assign#page7.tif source=498195-9026-US04_Dec_Assign#page8.tif	

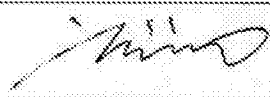
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

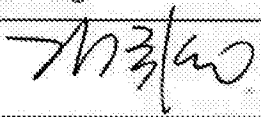
<b>Title of Invention</b>	<b>ADAPTIVE IMAGE ENCODING DEVICE AND METHOD</b>
<b>Declaration</b>	<p>As the below named inventor(s), I hereby declare that:</p> <p>The declaration is directed to:</p> <p><input checked="" type="checkbox"/> The attached application, or</p> <p><input type="checkbox"/> United States application or PCT international application number <b>PCT/KR#####</b> filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.</p>
<b>Assignment</b>	<p>NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)</p> <p align="center"><b>Electronics and Telecommunications Research Institute 161 Gajeong-dong, Yuseong-gu, Daejeon-si 305-700 Republic of Korea</b></p> <p>and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.</p> <p>I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.</p> <p>I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.</p> <p>I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.</p>


**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

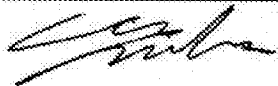
Legal Name Of Inventor	Inventor Name (First Middle LAST):	LIM, Sung Chang
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	KIM, Jong Ho
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	CHOI, Hae Chul
	Inventor Signature:	
	Date:	June 04, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	KIM, Hui Yong
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	LEE, Ha Hyun
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	LEE, Jin Ho
	Inventor Signature:	
	Date:	June 10, 2013

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

Legal Name Of Inventor	Inventor Name (First Middle LAST):	JEONG, Se Yoon
	Inventor Signature:	<i>Se Yoon Jeong</i>
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	CHO, Suk Hee
	Inventor Signature:	<i>Suk Hee Cho</i>
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	CHOI, Jin Soo
	Inventor Signature:	<i>Jin Soo Choi</i>
	Date:	June 12, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	HONG, Jin Woo
	Inventor Signature:	<i>Jin Woo Hong</i>
	Date:	June 12, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	KIM, Jin Woong
	Inventor Signature:	<i>Jin Woong Kim</i>
	Date:	June 10, 2013

A total of 3 supplemental sheet(s) are attached hereto for additional inventors, if any.

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4917970

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUNG CHANG LIM	06/10/2013
JONG HO KIM	06/10/2013
HAE CHUL CHOI	06/04/2013
HUI YONG KIM	06/10/2013
HA HYUN LEE	06/10/2013
JIN HO LEE	06/10/2013
SE YOON JEONG	06/10/2013
SUK HEE CHO	06/10/2013
JIN SOO CHOI	06/12/2013
JIN WOO HONG	06/12/2013
JIN WOONG KIM	06/10/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
<b>Street Address:</b>	218 GAJEONG-RO, YUSEONG-GU
<b>City:</b>	DAEJEON
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	34129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15954432
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(630)323-0335
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	uspto.actions@wpapat.com
<b>Correspondent Name:</b>	WILLIAM PARK & ASSOCIATES LTD.
<b>Address Line 1:</b>	930 N. YORK ROAD, SUITE 201
<b>Address Line 4:</b>	HINSDALE, ILLINOIS 60521
<b>ATTORNEY DOCKET NUMBER:</b>	PA0725-2C


<b>NAME OF SUBMITTER:</b>	WOOCHOON WILLIAM PARK
<b>SIGNATURE:</b>	/Woochoon William Park/
<b>DATE SIGNED:</b>	04/16/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=PA0725-2C_DEC_ASSIGN#page1.tif source=PA0725-2C_DEC_ASSIGN#page2.tif source=PA0725-2C_DEC_ASSIGN#page3.tif	

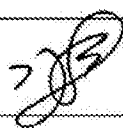
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

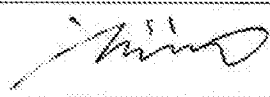
<b>Title of Invention</b>	<b>ADAPTIVE IMAGE ENCODING DEVICE AND METHOD</b>
<b>Declaration</b>	<p>As the below named inventor(s), I hereby declare that:          The declaration is directed to:  <input checked="" type="checkbox"/> The attached application, or  <input type="checkbox"/> United States application or PCT international application number  <u>PCT/KR#####</u> filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.          I believe that I am the original or an original joint inventor of a claimed invention in the application.          I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.</p>
<b>Assignment</b>	<p>NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)</p> <p align="center"><b>Electronics and Telecommunications Research Institute 161 Gajeong-dong, Yuseong-gu, Daejeon-si 305-700 Republic of Korea</b></p> <p>and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.</p> <p>I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.</p> <p>I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.</p> <p>I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.</p>

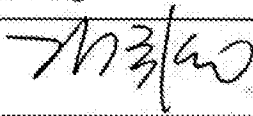



**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

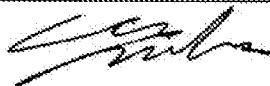
Legal Name Of Inventor	Inventor Name (First Middle LAST):	LIM, Sung Chang
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	KIM, Jong Ho
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	CHOI, Hae Chul
	Inventor Signature:	
	Date:	June 04, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	KIM, Hui Yong
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	LEE, Ha Hyun
	Inventor Signature:	
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	LEE, Jin Ho
	Inventor Signature:	
	Date:	June 10, 2013

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

Legal Name Of Inventor	Inventor Name (First Middle LAST):	JEONG, Se Yoon
	Inventor Signature:	<i>Se Yoon Jeong</i>
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	CHO, Suk Hee
	Inventor Signature:	<i>Suk Hee Cho</i>
	Date:	June 10, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	CHOI, Jin Soo
	Inventor Signature:	<i>Jin Soo Choi</i>
	Date:	June 12, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	HONG, Jin Woo
	Inventor Signature:	<i>Jin Woo Hong</i>
	Date:	June 12, 2013

Legal Name Of Inventor	Inventor Name (First Middle LAST):	KIM, Jin Woong
	Inventor Signature:	<i>Jin Woong Kim</i>
	Date:	June 10, 2013

A total of 3 supplemental sheet(s) are attached hereto for additional inventors, if any.