

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dae-Sung Cho	09/28/2011
Woong-II Choi	09/28/2011
Kwan-Woong Sung	10/04/2011
Young-Hun Joo	09/28/2011
Yong-Serk Kim	10/04/2011
Dong-Gyu Sim	09/15/2011
Jung-Hak Nam	09/15/2011
Sea-Nae Park	09/15/2011
Kwang-Su Jung	09/15/2011

RECEIVING PARTY DATA

Name:	Samsung Electronics Co., Ltd.
Street Address:	416, Maetan-dong, Yeongtong-gu
Internal Address:	Gyeonggi-do
City:	Suwon-si
State/Country:	REPUBLIC OF KOREA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13146764

CORRESPONDENCE DATA

OP \$40.00 13146764

Fax Number: (202)293-7860
Phone: 202-293-7060
Email: sughrue@sughrue.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: SUGHRUE MION, PLLC
Address Line 1: 2100 PENNSYLVANIA AVENUE, N.W.
Address Line 2: SUITE 800
Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER:	Q125101
-------------------------	---------

NAME OF SUBMITTER:	Kailie MacKeverican; Patent Specialist
--------------------	--

Total Attachments: 6 source=Assignment_Executed#page1.tif source=Assignment_Executed#page2.tif source=Assignment_Executed#page3.tif source=Assignment_Executed#page4.tif source=Assignment_Executed#page5.tif source=Assignment_Executed#page6.tif
--

Assignment

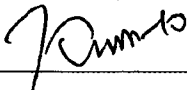
Whereas, We, Dae-Sung CHO of Seoul, Republic of Korea; Woong-II CHOI of Hwaseong-si, Republic of Korea; Kwan-Woong SONG of Seongnam-si, Republic of Korea; Young-Hun JOO of Yongin-si, Republic of Korea; Yong-Serk KIM of Seoul, Republic of Korea; Dong-Gyu SIM of Seoul, Republic of Korea; Jung-Hak NAM of Seoul, Republic of Korea; Sea-Nae PARK of Seoul, Republic of Korea; and Kwang-Su JUNG of Yeongdong-gun, Republic of Korea, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR ENCODING AND DECODING IMAGES BY ADAPTIVELY USING AN INTERPOLATION FILTER and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-742, Republic of Korea, and KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION of 447-1, Wolgye-dong, Nowon-gu, Seoul, 139-701, Republic of Korea, (assignees), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;


Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignees, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignees, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignees in connection with the United States application when called upon to do so by the assignees.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/146,764 and Confirmation number 7039 filed July 28, 2011) the application number and filing date of said application when known.

Date: 2011, Sept, 28 

s/Dae-Sung CHO

Date: 2011, Sept. 28 

s/Woong-II CHOI

Date: _____

s/Kwan-Woong SONG

Date: 2011, Sept, 28 

s/Young-Hun JOO

Date:

s/Yong-Serk KIM

Date:

s/Dong-Gyu SIM

Date:

s/Jung-Hak NAM

Date:

s/Sea-Nae PARK

Date:

s/Kwang-Su JUNG

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Assignment

Whereas, We, Dae-Sung CHO of Seoul, Republic of Korea; Woong-Il CHOI of Hwaseong-si, Republic of Korea; Kwan-Woong SONG of Seongnam-si, Republic of Korea; Young-Hun JOO of Yongin-si, Republic of Korea; Yong-Serk KIM of Seoul, Republic of Korea; Dong-Gyu SIM of Seoul, Republic of Korea; Jung-Hak NAM of Seoul, Republic of Korea; Sea-Nae PARK of Seoul, Republic of Korea; and Kwang-Su JUNG of Yeongdong-gun, Republic of Korea, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR ENCODING AND DECODING IMAGES BY ADAPTIVELY USING AN INTERPOLATION FILTER and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-742, Republic of Korea, and KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION of 447-1, Wolgye-dong, Nowon-gu, Seoul, 139-701, Republic of Korea, (assignees), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

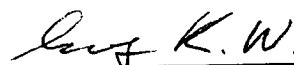
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignees, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignees, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignees in connection with the United States application when called upon to do so by the assignees.


We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/146,764 and Confirmation number 7039 filed July 28, 2011) the application number and filing date of said application when known.

Date: _____
s/Dae-Sung CHO

Date: _____
s/Woong-Il CHOI

Date: 2011-10-4 
s/Kwan-Woong SONG

Date: _____
s/Young-Hun JOO

Date: 2011-10-4 
s/Yong-Serk KIM

Date: _____
s/Dong-Gyu SIM

Date: _____
s/Jung-Hak NAM

Date: _____
s/Sea-Nae PARK

Date: _____
s/Kwang-Su JUNG

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Assignment

Whereas, We, Dae-Sung CHO of Seoul, Republic of Korea; Woong-II CHOI of Hwaseong-si, Republic of Korea; Kwan-Woong SONG of Seongnam-si, Republic of Korea; Young-Hun JOO of Yongin-si, Republic of Korea; Yong-Serk KIM of Seoul, Republic of Korea; Dong-Gyu SIM of Seoul, Republic of Korea; Jung-Hak NAM of Seoul, Republic of Korea; Sea-Nae PARK of Seoul, Republic of Korea; and Kwang-Su JUNG of Yeongdong-gun, Republic of Korea, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR ENCODING AND DECODING IMAGES BY ADAPTIVELY USING AN INTERPOLATION FILTER and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-742, Republic of Korea, and KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION of 447-1, Wolgye-dong, Nowon-gu, Seoul, 139-701, Republic of Korea, (assignees), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignees, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignees, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignees in connection with the United States application when called upon to do so by the assignees.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/146,764 and Confirmation number 7039 filed July 28, 2011) the application number and filing date of said application when known.

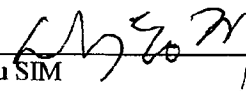
Date: _____
s/Dae-Sung CHO

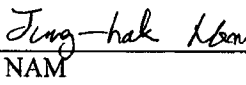
Date: _____
s/Woong-II CHOI


Date: _____
s/Kwan-Woong SONG

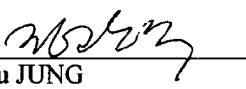
Date: _____
s/Young-Hun JOO

Date: _____
s/ Yong-Serk KIM

Date: 2011-9-15 
s/ Dong-Gyu SIM

Date: 2011-9-15 
s/ Jung-Hak NAM

Date: 2011-9-15 
s/ Sea-Nae PARK

Date: 2011-9-15 
s/ Kwang-Su JUNG

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)