# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2909442

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEES ADDRESS TO SPECIFY 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, REPUBLIC OF KOREA 443-742 previously recorded on Reel 033053 Frame 0505. Assignor(s) hereby confirms the EXECUTED ASSIGNMENT.

### **CONVEYING PARTY DATA**

Name	Execution Date
WON JUN KIM	05/07/2014
BYUNG IN YOO	05/07/2014
CHANG KYU CHOI	05/20/2014

### **RECEIVING PARTY DATA**

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129 SAMSUNG-RO, YEONGTONG-GU,
City:	SUWON-SI, GYEONGGI-DO
State/Country:	REPUBLIC OF KOREA
Postal Code:	443-742

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14289915

### **CORRESPONDENCE DATA**

Fax Number:

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.

**Email:** jherrin@s-n-h.com

Correspondent Name: STAAS AND HALSEY LLP
Address Line 1: 1201 NEW YORK AVE., N.W.

Address Line 2: SUITE 700

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	1911.1785
NAME OF SUBMITTER:	JONATHAN HERRIN
SIGNATURE:	/Jonathan Herrin/
DATE SIGNED:	06/23/2014

**Total Attachments: 3** 

source=Assignment as filed#page1.tif

PATENT REEL: 033216 FRAME: 0892 source=Assignment as filed#page2.tif source=PTO Ack. for Assignment filed 5.29.14#page1.tif

> PATENT REEL: 033216 FRAME: 0893

Docket No.: 1911.1785

## U.S. ASSIGNMENT

S&H 1/12

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))

Samsung Electronics Co., Ltd. 1200 New Hampshire Avenue, NW Suite 550 Washington, DC 20036

(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)

METHOD AND APPARATUS FOR ESTIM	ATING POSE
relating to International Patent Application PCT// was executed on even date herewith or, if not so executed,	and/or for which application for Letters Patent of the United States was:
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on ,	Any registered attorney or patent agent of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005
Serial No.;	(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 inve (Typed Name & Signature of Inventor(s))	ntor(s) has (have) affixed his/he (Date)	er/their signature(s). (Typed Name & Signature of Witness(es))
1) Wonjun Kan	May 1, 2014	
1) Won June Kaun Won Jun KIM 2) Byung MY80	May 7-2014	
3)Chang Kyu CHOI		
4)		
5)		
6)		
7)		

Docket No.: 1911.1785

# **U.S. ASSIGNMENT**

S&H 1/14

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))

Samsung Electronics Co., Ltd. 1200 New Hampshire Avenue, NW Suite 550 Washington, DC 20036

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and

transfers to ASSIGNEE the entire and exclusive right, tit (Title of Invention)	tle and interest to the invention enlitted
METHOD AND APPARATUS FOR ESTI	IMATING POSE
relating to International Patent Application PCT//was executed on even date herewith or, if not so execut	and/or for which application for Letters Patent of the United States ted, was:
(a) executed on ;	(insert date of execution of application, if not concurrent)
(b) filed on , Serial No.;	Any registered attorney or patent agent 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.
renewal substitute reissue or reexamination application	United States granted on said application and any continuation, division, in based thereon, for the full term or terms for which the said Letters Patent(s) collectively, hereinafter, "said application(s) and Letters Patent(s)").
ASSIGNEE, to do all acts which the ASSIGNEE may de enforcing protection for said invention, including in the p Letters Patent(s), in any interference, reissue, reexamin which may arise or be declared in relation to same, such	y said ASSIGNEE and without charge to but at the expense of said sem necessary, desirable or expedient, for securing, maintaining and preparation and prosecution of said application(s) and the issuance of said nation, or public use proceeding, and in any litigation or other legal proceeding thacts to include but not be limited to executing all papers, including separate providing sworn testimony, and obtaining and producing evidence.  (s) has (have) affixed his/her/their signature(s).  (Date) (Typed Name & Signature of Witness(es))
1)	
1) Won Jun KIM  2) Byung In YOO	
Chang Kyu CHOI	512612014
4)	
5)	
6)	
<b>7</b> 1)	

**PATENT REEL: 033216 FRAME: 0895**  5/29/2014 Assignment

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
WON JUN KIM	05/07/2014
BYUNG IN YOO	05/07/2014
CHANG KYU CHOI	05/20/2014

### RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129 SAMSUNG-RO, YEONGTONG-GU,
City:	SUW ON-SI, GYEONGGI-DO
State/Country:	REPUBLIC MOLDOVA
Postal Code:	443-742

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14289915

#### **CORRESPONDENCE DATA**

Fax Number:

 Phone:
 202-434-1500

 Email:
 mseverson@s-n-h.com

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.

Correspondent Name: STAAS & HALSEY LLP

Address Line 1: SUITE 700

Address Line 2: 1201 NEW YORK AVENUE, N.W. Address Line 4: WASHINGTON, D.C. 20005

NAME OF SUBMITTER:	DAVID J. CUTITTA
Signature:	/David J. Cutitta/