Date: 2/15/2013 1:53:44 PM

OMB No. 0651-0027 (exp. 04/30/2015)	United States Patent and Trademark Office		
RECORDATION FOR	VI COVER SHEET		
PATENTS ONLY			
To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below.		
Name of conveying party(ies):	2. Name and address of receiving party(ies)		
Jong-Seok PARK (12/24/2012), Eun-Sook NAM	Name: Samsung Electronics Co., Ltd.		
(12/24/2012), Ho-June LEU (12/24/2012), and Jong-In KIM (12/24/2012)			
Additional name(s) of conveying party(ies) attached? Yes X No	Internal Address: Street Address:		
hand because the second	Street Address:		
3. Nature of conveyance/Execution Date(s):	400 0		
Execution Date(s): in parentheses after inventor name	129, Samsung-ro, Yeongtong-gu		
X Assignment Merger Change of Name			
Security Agreement Joint Research Agreement	City: Suwon-Si, Gyeonggi-Do		
Government Interest Assignment	State:		
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip: 443-742		
Other	Additional name(s) & address(es) Yes X No		
	attached?		
4. Application or patent number(s): This docu	ument serves as an Oath/Declaration (37 CFR 1.63).		
A. Patent Application No.(s)	B. Patent No.(s)		
13/768,032			
Additional numbers attached?	Yes X No		
	6. Total number of applications and		
concerning document should be mailed:	patents involved:		
Name: John A. Castellano HARNESS, DICKEY & PIERCE, P.L.C.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address; Atty. Dkt.: 9862-000525/US	1.1000.00 (0.011.121(1) 0.011)		
Street Address: P.O. Box 8910	X Authorized to be charged to deposit account		
	Enclosed		
	None required (government interest not affecting title)		
City: Reston	8. Payment Information		
State: VA Zip: 20195	•		
Phone Number: (703),668,8000			
Fax Number: (703) 668-8200	Deposit Account Number 08-0750		
Email Address: dcmailroom@hdp.com	Authorized User Name John A. Castellano		
9. Signature:			
	February 15, 2013		
Signature	Date Total number of pages including cover.		
John A. Castellano - 35,094 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 6		
\	eet) should be faxed to (571) 273-0140, or mailed to:		
	et) should be faxed to (5/1) 2/3-0140, or mailed to: of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450		
1706491			

PATENT

From: Harness Dickey 703-668-8200

To: 95712730140

Page: 3/6

Date: 2/15/2013 1:53:44 PM

SAMSUNG ELECTRONICS CO., LTD.

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM¹

The und	dersigne	d acknowledges that this docume	nt is being used both a	s an assignment of
the inv	ention a	nd as the declaration (37 CFR 1.63) for a Utility or Design	Application.
WHERE	AS, the	undersigned, hereinafter referred	to collectively as Assig	nor, has invented:
Title:	FACE E	DETECTION-PROCESSING CIRCUIT	AND IMAGE PICKUP D	EVICE INCLUDING
for wh	ich Assig	nor is about to make or has made	: United States or Inter	national application
for pat	tent.			
WHER	EAS, as a	a below named inventor(s), I/(we)	hereby declare that:	
Sectio	n I. Dec	laration		
This d	eclaratio	on is directed to:		
	\boxtimes	The attached U.S. non-provision	al patent application, c	or
		U.S. non-provisional patent appli		filed
		PCT international patent applica	tion number	filed on
The a	bove-ide	entified application was made or a	uthorized to be made	by me (us).
i (we)) believe Ition in t	that I am (we are) the original inv he above-identified application.	rentor (original joint in	ventors) of a claimed
l (we punis both	shable u	acknowledge that any willful false nder 18 U.S.C. 1001 by fine or imp	e statement made in the risonment of not more	nis declaration is e than five (5) years, or
1 Thi	s form rec	quires the use of an Application Data She	et.	A STATE OF THE PERSON OF THE P
SEC	Ref No.	IB-201105-020-1-USO	Attorney Ref No.	9862-000525/US
	~	ECLARATION (37 CFR 1.63) FOR UTILI	TY PATENT APPLICATION	I AND ASSIGNMENT FORM

Page 1 of 4

From: Harness Dickey 703-668-8200

To: 95712730140

Page: 4/6

Date: 2/15/2013 1:53:44 PM

SAMSUNG ELECTRONICS CO., LTD.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-

L			
SEC Ref No.	IB-201105-020-1-USO	Attorney Ref No	9862-000525/US
COMBINED DEC	LARATION (37 CFR 1.63) FOR UTIL	.ITY PATENT APPLICATION	AND ASSIGNMENT FORM
00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2 of 4	

Page: 5/6

Date: 2/15/2013 1:53:44 PM

SAMSUNG ELECTRONICS CO., LTD.

examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIRST INVENTOR/ASSIGNOR	PARK	Jong-Seok	

SEC Ref No.	IB-201105-020-1-USO	Attorney Ref No.	9862-000525/US	

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 3 of 4

Date: 2/15/2013 1:53:44 PM

SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
SECOND INVENTOR/ASSIGNOR	NAM	Eun-Sook	
SIGNATURE	Nam Engook	DATE	2012 12 24

Family Name	First Given Name	Second Given Name
LEU	Ho-June	
Leu Ho-June	DATE	2012 . /2.24
	LEU	LEU Ho-June DATE

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FOURTH INVENTOR/ASSIGNOR	кім	Jong-In	
		DATE	

SEC Ref No.	IB-201105-020-1-USO	Attorney Ref No.	9862-000525/US
-------------	---------------------	------------------	----------------

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 4 of 4

> **PATENT REEL: 029828 FRAME: 0348**