502814096 05/19/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOON SEONG KANG	02/10/2014
CHANG SOON PARK	02/10/2014
YOUNG JUN HONG	02/10/2014

RECEIVING PARTY DATA

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City:	SUWON-SI	
State/Country:	REPUBLIC OF KOREA	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14280874		

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NAME OF SUBMITTER:	LOREN H. TUNG
SIGNATURE:	/Loren H. Tung/
DATE SIGNED:	05/19/2014

Total Attachments: 2

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PATENT 502814096 REEL: 032922 FRAME: 0524

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

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As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto,
or to United States Application Number or PCT International Application Number
14/280,874 filed on May 19, 2014 (if applicable), entitled:
METHOD AND APPARATUS FOR DETERMINING THRESHOLD FOR SYMBOL DETECTION
The above-identified application was made or authorized to be made by me.
I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.
I have reviewed and understand the contents of the above-identified application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.
ASSIGNMENT
For valuable consideration, I, as a below-named assignor, hereby assign to:
SAMSUNG ELECTRONICS CO., LTD. 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do 443-742 Republic of Korea
and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and
interest throughout the world in the inventions and improvements that are the subject of the application
identified in the above declaration, which is United States Application Number or PCT International Application
Number 14/280,874 filed on May 19, 2014 .
I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.
This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application, and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such

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further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may

reasonably request to effectuate fully this Assignment.

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	KANG, Joon Seong			
Inventor's Signature	Kang J. J.	Date	10/02/2014	
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inventor's Legal Name	PARK, Chang Soon			
inventor's Signature	July -	Date	10/02/2014	
Residence (City, Country)	Chungju-si, Republic of Korea			
Mailing Address	Samsung Advanced Institute of Technology Mt. 14-1, Nongseo-dong, Giheung-gu Yongin-si, Gyeonggi-do 446-712 Republic of Korea			
Inventor's Legal Name	ventor's Legal Name HONG, Young Jun			
inventor's Signature	2-1-2-7	Date	10/02/2014	
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