PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2904294

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BAEK-HWAN CHO	06/09/2014
YEONG-KYEONG SEONG	06/09/2014
YE-HOON KIM	06/09/2014
JUNG-HOE KIM	06/09/2014
MOON-HO PARK	06/09/2014
SIN-SANG YU	06/09/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14308469	

CORRESPONDENCE DATA

Fax Number: (202)315-3758

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: 202-429-0020 Email: pto@nsiplaw.com

Correspondent Name: NSIP LAW

Address Line 1: P.O. BOX 65745

Address Line 4: WASHINGTON, D.C. 20035

ATTORNEY DOCKET NUMBER: 012053.0311

NAME OF SUBMITTER: ALICIA M. CHOI

SIGNATURE: /Alicia M. Choi/

DATE SIGNED: 06/18/2014

Total Attachments: 3

source=NewApp_0120530311_CDA_EPAS#page1.tif

PATENT REEL: 033132 FRAME: 0582 source=NewApp_0120530311_CDA_EPAS#page2.tif source=NewApp_0120530311_CDA_EPAS#page3.tif

PATENT REEL: 033132 FRAME: 0583

Attorney Docket No.: 012053.0311

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named invento	r, I hereby decla	re that this declaration	n is directed to the application attached
hereto, or to United States	Application Nur	mber or PCT Internati	onal Application Number
14/308,469	filed on	June 18, 2014	(if applicable), entitled:
APPA	RATUS AND N	METHOD FOR DET	TECTING LESION
The above-identified applie	cation was made	or authorized to be n	nade by me.
I believe I am the original identified application.	nventor or an or	riginal joint inventor o	of a claimed invention in the above-
I hereby acknowledge that USC 1001 by fine or impri	•		is declaration is punishable under 18 ars, or both.
I have reviewed and unders	stand the conten	ts of the above-identif	fied application, including the claims.
known to me to be materia	l to patentability mation that beca	as defined in 37 CFR ame available between	d Trademark Office all information 1.56, including for continuation-in-part the filing date of the prior application ion-in-part application.
		ASSIGNMENT	
For valuable consideration	, I, as a below-na	amed assignor, hereby	assign to:
Samsung Electronic 129, Samsung-ro, Y Suwon-si, Gyeongg Republic of Korea	eongtong-gu		
and its successors and assig	gns (collectively	hereinafter called "th	e Assignee"), the entire right, title, and
interest throughout the wor	ld in the inventi	ons and improvement	s that are the subject of the application
identified in the above decl	aration, which i	s United States Applic	cation Number or PCT International
Application Number	14/308,469	filed on	June 18, 2014
<u>-</u>			tified application to hereafter complete he filing date of the above-identified

1

Attorney Docket No.: 012053.0311

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 further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

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	Baek-Hwan CHO	
Inventor's Signature	Back Alven Con Date 2014.06.09	
Residence (City, Country)	Seoul, Republic of Korea	
Mailing Address	103-204 Raemian Gileum 1cha Apt., Gileum-dong, Seongbuk-gu, Seoul, Republic of Korea	

Inventor's Legal Name	Yeong-Kyeong SEONG		
Inventor's Signature	y. M. Sug	Date	2014.06.09
Residence (City, Country)	Yongin-si, Republic of Korea		
Mailing Address	A-202 Dormitory, Samsung Advanced Institute of Technology, Nongseodong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea		

Attorney Docket No.: 012053.0311

Inventor's Legal Name	Ye-Hoon KIM		
Inventor's Signature	1	Date	2014.06.09
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	302ho, Somang Villa, 1666-7 S Korea	eocho-dong, S	eocho-gu, Seoul, Republic of

Inventor's Legal Name	Jung-Hoe KIM		
Inventor's Signature	Thun	Date	2014.06.09
Residence (City, Country)	Seongnam-si, Republic of Ko		
Mailing Address	101-302 Jinheung W Park Ap Gyeonggi-do, Republic of Ko		ng, Bundang-gu, Seongnam-si,

Inventor's Legal Name	Moon-Ho PARK		
Inventor's Signature	#w	Date	2014.06.09
Residence (City, Country)	Hwaseong-si, Republic of Korea		
Mailing Address	106-503 Daewoo Prugio Apt., Yeo Gyeonggi-do, Republic of Korea	lang Maeul,	Seogu-dong, Hwaseong-si,

Inventor's Legal Name	Sin-Sang YU		and the second s
Inventor's Signature	athi	Date	2014.06.09
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	110-302 Yeoksam Purgio Apt., Republic of Korea	754-1 Yeoksar	n-dong, Gangnam-gu, Seoul,