502926683 08/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2973282

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUN HO KIM	08/06/2014
JAE MIN KANG	08/06/2014
KUN SOO SHIN	07/23/2014
KWANG SUK PARK	08/06/2014
JEONG SU LEE	08/06/2014
YONG GYU LIM	08/06/2014

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City:	SEOUL
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14454486

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	ALICIA M. CHOI

PATENT 502926683 REEL: 033490 FRAME: 0458

SIGNATURE:	/Alicia M. Choi/		
DATE SIGNED:	08/07/2014		
Total Attachments: 9			
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PATENT REEL: 033490 FRAME: 0459

DECLARATION

As a below-named inventor, I h	ereby decla	re that this declarat	ion is directed to the application attached
hereto, or to United States App	lication Num	nber or PCT Interna	itional Application Number
14/454,486	filed on	August 7, 2014	(if applicable), entitled:

CIRCUIT, DEVICE, AND METHOD TO MEASURE BIOSIGNAL USING COMMON MODE DRIVEN SHIELD

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 aboveidentified 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:

- 1.) Samsung Electronics Co., Ltd.
 - 129, Samsung-ro, Yeongtong-gu

Suwon-si, Gyeonggi-do 443-742

Republic of Korea

- 2.) SNU R&DB Foundation
 - 1, Gwanak-ro, Gwanak-gu,

Seoul, 151-015

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

	eclaration, which is United States Applica	ation Nu	umber or PCT International
Application Number $\underline{}$	4/454,486 filed on	August 7	7, 2014
this Assignment by inser	he attorneys appointed in the above-ider ting above the application number and the and to correct any typographical errors	ne filing	date of the above-identified
patents, utility models, are the subject of the above-identified approperty, the Patent Coopurposes; and I authorize patents, utility models, dethe inventions and impromyself and my heirs, leglawful acts and to sign sudocuments as the Assign In witness whereof, I, as	s the above-identified application, any and design registrations granted for any of ove-identified application, and the right to opplication under the International Convert operation Treaty, the European Patent Converted the Assignee to apply in all countries in esign registrations, like rights of exclusion over the that are the subject of the above all representatives, and assigns without further applications, Assignments, proposed may reasonably request to effect that a below-named inventor and assignor, in a ture on the date indicated below next to	f the into claim nation for onvention my nation, and re-ident curther or reliminate fully the natending	ventions and improvements that priority based on the filing date on the Protection of Industrial on, and all other treaties of like ame or in its own name for inventors' certificates for any of difficity application; and I agree for compensation to perform such any statements, and other lawful his Assignment.
Inventor's Legal Name	Youn Ho KIM		
Inventor's Signature	Me colon	Date	August 6, 2014
Residence (City, Country)	Hwaseong-si, Republic of Korea		
Mailing Address	Samsung Advanced Institute of Technology, Misi, Gyeonggi-do 446-712, Republic of Korea	t. 14-1, N	longseo-dong, Giheung-gu, Yongin-
Inventor's Legal Name	Jae Min KANG		
Inventor's Signature	Anc	Date	August 6, 2014
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	Samsung Advanced Institute of Technology, Mi si, Gyeonggi-do 446-712, Republic of Korea	t. 14-1, N	longseo-dong, Giheung-gu, Yongin-

Inventor's Legal Name	Kun Soo SHIN			
Inventor's Signature		Date		
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Mailing Address	Samsung Advanced Institute of Technology, Mt si, Gyeonggi-do 446-712, Republic of Korea	: 14-1, Nongseo-dong, Giheung-gu, Yongin-		
Inventor's Legal Name	Kwang Suk PARK			
Inventor's Signature		Date		
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Inventor's Legal Name	Jeong Su LEE			
Inventor's Signature		Date		
Residence (City, Country)	Seoul, Republic of Korea			
Mailing Address	San 56-1, Sillim-dong, Gwanak-gu, Seoul 151-015 Republic of Korea			
Inventor's Legal Name	Yong Gyu LIM			
Inventor's Signature		Date		
Residence (City, Country)	Seoul, Republic of Korea			
Mailing Address	83, Sangjidae-gil, Wonju-si, Gangwon-do 220-702 Republic of Korea			

DECLARATION

As a below-named inventor, I he	ereby declar	e that this declaration	n is directed to the application attached
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 - 1, Gwanak-ro, Gwanak-gu,

Seoul, 151-015

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 de	eclaration, which is Ur			umber or PCT International
Application Number	14/454,486	filed on _	August 7,	2014
<u>=</u>	ting above the applica	ation number ar	nd the filing	application to hereafter complete g date of the above-identified ay be discovered in this
are the subject of the about of the above-identified approperty, the Patent Coopurposes; and I authorize patents, utility models, do the inventions and impromyself and my heirs, legal lawful acts and to sign sudocuments as the Assign In witness whereof, I, as	nd design registration ove-identified application under the Ir operation Treaty, the Ele the Assignee to applesign registrations, likely ements that are the all representatives, and uch further application nee may reasonably reasonably respectively.	is granted for artion, and the righternational Cor European Pateroly in all countries in all countries in all countries in all countries in a subject of the and assigns withous, Assignments equest to effect intor and assigno	ny of the in ht to claim nvention fo at Conventies in my nausion, and above-ident further or, preliminate fully toor, intending	ventions and improvements that priority based on the filing date or the Protection of Industrial ion, and all other treaties of like ame or in its own name for inventors' certificates for any of tified application; and I agree for compensation to perform such ary statements, and other lawful his Assignment.
hereunto affixed my sign	Tature on the date indi	cated below he	XI IO IIIY SI	gnature.
Inventor's Legal Name	Youn Ho KIM			
Inventor's Signature			Date	
Residence (City, Country)	Hwaseong-si, Republic	of Korea		
Mailing Address	Samsung Advanced Inst si, Gyeonggi-do 446-712			longseo-dong, Giheung-gu, Yongin-
	_			
Inventor's Legal Name	Jae Min KANG			
Inventor's Signature			Date	
Residence (City, Country)	Seoul, Republic of Korea	а	•	•
Mailing Address	Samsung Advanced Inst si, Gyeonggi-do 446-712			longseo-dong, Giheung-gu, Yongin-

Page 2 of 2

Mailing Address	Samsung Advanced Institute of Technology, Mt. 14-1, Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-712, Republic of Korea
Residence (City, Country)	Seongnam-si, Republic of Korea
Inventor's Signature	Date
Inventor's Legal Name	Kun Soo SHIN

Inventor's Legal Name	Kwang Suk PARK	
Inventor's Signature	Parkling Sile Dete August 6, 2014	A Property for
Residence (City, Country)	Seoul, Republic of Korea	
Mailing Address	1, Gwanak-ro, Gwanak-gu, Seoul 151-015 Republic of Korea	

Mailing Address	1, Gwanak-ro, Gwanak-gu, Seoul 151-015 Republic of Korea
Residence (City, Country)	Seoul, Republic of Korea
Inventor's Signature	Date August 6, 2014
Inventor's Legal Name	Jeong Su LEE

Inventor's Legal Name	Yong Gyu LIM
Inventor's Signature	Li Jons 6/4 Date August 6, 2014 .
Residence (City, Country)	Seoul, Republic of Korea
Mailing Address	83, Sangjidae-gil, Wonju-si, Gangwon-do 220-702 Republic of Korea

REEL: 033490 FRAME: 0465

DECLARATION

As a below-named inventor, I he	ereby decla	re that this declarat	ion is directed to the application attached
hereto, or to United States Appl	ication Num	nber or PCT Interna	itional Application Number
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identified in the above de	claration, which is United States Ap	plication N	Number or PCT International
Application Number	14/454,486 filed on _	August '	7, 2014
this Assignment by insert	ne attorneys appointed in the above- ting above the application number at and to correct any typographical err	nd the filir	g date of the above-identified
patents, utility models, are are the subject of the above-identified approperty, the Patent Coopurposes; and I authorize patents, utility models, dethe inventions and impromyself and my heirs, legal lawful acts and to sign sudocuments as the Assign In witness whereof, I, as	s the above-identified application, and design registrations granted for a ove-identified application, and the rigoplication under the International Comperation Treaty, the European Pater to the Assignee to apply in all countriesign registrations, like rights of exclusions that are the subject of the all representatives, and assigns without further applications, Assignments are may reasonably request to effect a below-named inventor and assignature on the date indicated below negatives.	ny of the ight to clair nvention f nt Conventes in my rusion, and above-ider out further s, prelimirustuate fully	nventions and improvements that in priority based on the filing date for the Protection of Industrial ation, and all other treaties of like name or in its own name for d inventors' certificates for any of a tified application; and I agree for a compensation to perform such nary statements, and other lawful this Assignment.
Inventor's Legal Name	Youn Ho KIM		
Inventor's Signature		Date	
Residence (City, Country)	Hwaseong-si, Republic of Korea	<u>'</u>	
Mailing Address	Samsung Advanced Institute of Technolog si, Gyeonggi-do 446-712, Republic of Kore		Nongseo-dong, Giheung-gu, Yongin-
Inventor's Legal Name	Jae Min KANG		.
Inventor's Signature		Date	
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Inventor's Legal Name	Kun Soo SHIN				
Inventor's Signature	D	Date	20/4,1)	,43	
Residence (City, Country)	Seongnam-si, Republic of Korea				
Mailing Address	Samsung Advanced Institute of Technolog si, Gyeonggi-do 446-712, Republic of Kore		longseo-dong, Giheu	ng-gu, Yon	ıgin-
Inventor's Legal Name	Kwang Suk PARK	-			1
Inventor's Signature		Date			
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Inventor's Legal Name	Jeong Su LEE				1
Inventor's Signature		Date			
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Inventor's Legal Name	Yong Gyu LIM				
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Mailing Address	83, Sangjidae-gil, Wonju-si, Gangwon-do 220-702 Republic of Korea		blic of Korea	:	

Page 3 of 2

RECORDED: 08/07/2014