505684669 09/23/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5731479

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHANG LONG ZHU JIN	12/28/2017
ARUN RAKESH YOGANANDAN	12/28/2017
KUMI AKIYOSHI	12/27/2017

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS	
Street Address:	129, SAMUNG RO	
City:	YEONGTONG-GU, SUWON_SI	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15858667

CORRESPONDENCE DATA

Fax Number: (630)597-2211

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: 6303102539

Email: john.king@jkinglawoffice.com

Correspondent Name: JOHN KING
Address Line 1: PO BOX 1555

Address Line 4: WHEATON, ILLINOIS 60187

ATTORNEY DOCKET NUMBER:	CEX17-HV03
NAME OF SUBMITTER:	JOHN J KING
SIGNATURE:	/John J. King/
DATE SIGNED:	09/23/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 050455 FRAME: 0956

505684669

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

A METHOD OF MANAGING A PLURALITY OF DEVICES

Title of

Invention		
As the undersigned inventor, I hereby declare that:		
This combined declaration and assignment is directed to: United States application or PCT International application number		
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
I have reviewed and understand the contents of the application including the claims, for which this combined declaration and assignment is being submitted.		
I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.		
WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation, having a place of business at 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, Korea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries;		
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuation applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted thereon, and all reissues thereof.		
We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may apply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries.		
I hereby acknowledge that any willful false statement made in this combined declaration and assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF FIRST INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Chang Long Zhu Jin Date: 12/28/2017		
Signature: 不论性		
LEGAL NAME OF SECOND INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Arun Rakesh Yoganandan Date:		
Signature:		
LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Kumi Akiyoshi Date:		
Signature:		

PATENT REEL: 050455 FRAME: 0957

PATENT REEL: 050455 FRAME: 0958

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	A METHOD OF MANAGING A PLURALITY OF DEVICES	
As the undersi	gned inventor, I hereby declare that:	
This combined declaration and SThe attached application, or assignment is directed to: United States application or PCT International application number		
The above-ide	ntified application was made or authorized to be made by me.	
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.	
I have reviewed and understand the contents of the application including the claims, for which this combined declaration and assignment is being submitted.		
I am aware of 1.56.	the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR	
WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation, baving a place of business at 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, Korea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries;		
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged. We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuation applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted thereon, and all reissues thereof.		
We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may apply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries.		
I hereby acknowledge that any willful false statement made in this combined declaration and assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both		
LEGAL NAME OF FIRST INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: <u>Cha</u>	ang Long Zhu Jin Date;	
Signature:		
LEGAL NAME OF SECOND INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: <u>An</u>	un Rakesh Yoganandan Date: \2\2\$\\\\	
Signature:	J. Agan P. Jam	
LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Ku	mi Akiyoshi Date:	
Signature:		

PATENT REEL: 050455 FRAME: 0959

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of A METHOD OF MANAGING A PLURALITY Invention	OF DEVICES
As the undersigned inventor, I hereby declare that:	
This combined declaration and The attached application, or assignment is directed to:	PCT International application number
The above-identified application was made or authorized to be r	nade by me.
I believe that I am the original inventor or an original joint inven	ntor of a claimed invention in the application.
I have reviewed and understand the contents of the application i	ncluding the clauns, for which this combined declaration will
I am aware of the duty to disclose to the Office all information	known to me to be material to patentability as defined in 37 CFR
WHEREAS, Samsung Electronics Co. Ltd., a Koreau corporate Suwon-st. Oyeonoggi-do, Korea (hereinafter referred to as "ASS and incomplete and to any patent that may be granted thereon in	ion, having a place of business at 129. Samsung-ro, Yeongtong-gu SIGNEE"), desires to acquire the entire right, title and interest in the United States and foreign countries;
NOW, THEREFORE, for good and valuable consideration, the inventors, hereby sell, assign and transfer to said ASSIGNEE, above-identified application and the invention disclosed thereis continuation applications, and corresponding priority application ternational Convention of Paris including under 35 U.S.C. I be created thereon, and all reissues thereof.	receipt whereof is hereby acknowledged. We, the below halted its successors and assigns, the entire right, title and interest in the in all countries, including all divisional applications, one including those to which priority is claimed under the 19, substitutions, and renewals thereof, and to all patents that may
We hereby authorize and request the Patent Office Officials in granted, to said ASSIGNEE, its successors and assigns. Furth apply for patents for the invention in foreign countries without papers and generally to do everything possible to aid said ASS patents for the invention in all countries.	the United States and all foreign countries to issue patents, when er, We agree that said ASSIGNEE, its successors and assigns, may further authorization from us. Also, We agree to execute all SIGNEE, its successors and assigns, in obtaining and enforcing
U.S.C. 1001 by fine or imprisonment of not more man tive ()	
LEGAL NAME OF FIRST INVENTOR (e.g., full first name	middle initial, last name)
Inventor: Chang Long Zhu Jin	Date:
Signature:	
LEGAL NAME OF SECOND INVENTOR (e.g., full first no	
Inventor <u>Arus Yoganandas</u>	Ualle:
Signature:	
LEGAL NAME OF THIRD INVENTOR (e.g., full first nam	e, middle initial, last name)
Inventor: Kumi Akiyoshi ————————————————————————————————————	Date: December 27, 2017
Signature	
	PATENT

RECORDED: 09/23/2019

REEL: 050455 FRAME: 0960