504792013 02/23/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4838745

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AVIK RAY	02/13/2018
YILIN SHEN	02/14/2018
HONGXIA JIN	02/16/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15904203

CORRESPONDENCE DATA

Fax Number: (424)229-6815

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: 424-229-6800

Email: patent@shermanip.com
Correspondent Name: SHERMAN IP LLP (SRA)
Address Line 1: 1519 26TH STREET

Address Line 4: SANTA MONICA, CALIFORNIA 90404

TTORNEY DOCKET NUMBER: SAM2S-P.E16		
NAME OF SUBMITTER: STEVEN LAUT, REG. NO. 47736		
SIGNATURE:	/Steven Laut/	
DATE SIGNED:	02/23/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 6

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PATENT 504792013 REEL: 045433 FRAME: 0085

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

Title of METHOD TO LEARN PERSONALIZED INTENTS Invention		
As the undersigned inventor, I hereby declare that:		
This combined declaration and		
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, <u>Samsung Electronics Co.</u> , <u>Ltd.</u> , a <u>Korean corporation</u> , <u>having a place of business at 129. Samsung-ro.</u> <u>Yeongtong-go Suwon-si.</u> <u>Gyeonogi-do.</u> <u>Korea</u> (bereinafter 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 bereby 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: Avik Rav Date: 2/13/2018		
Signature: 4úl loy		
LEGAL NAME OF SECOND INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Yilin Shen Date:		
Signature:		

CSI17-H27-A1 (SAM2S-P.e16)

Page 1 of 2 . The News $^{\circ}$, which is a particular $_{2}$, $_{3}$, $_{4}$, $_{5}$, $_{7}$, $_{7}$, $_{7}$, $_{7}$

LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)	
Inventor: Hongxia Jin Date:	
Signature:	
O.graiue.	

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

Title of Invention	METHOD TO LEARN PERSONALIZED INTENTS	
As the unders	igned inventor, I hereby declare that:	
This combine assignment is	declaration and SThe attached application, or United States application or PCT International application number	
The above-ide	entified 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.	
	ed and understand the contents of the application including the claims, for which this combined declaration and 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, having a place of business at 129, Samsung-ro, Veongtong-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.		
<u></u>		
LEGAL NAM	E OF FIRST INVENTOR (e.g., full first name, middle initial, last name)	
Inventor:	Ayik Ray Date:	
Signature:		
LEGAL NAV	E OF SECOND INVENTOR (e.g., full first name, middle initial, last name)	
Inventor:	Yilin Shen Date: 1/14/2018	
Signature:	127	
wigneres.		

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Page 1 of 2

********	LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)
*********	Inventor: Hongxia Jin Date:
***********	Signature:

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

METHOD TO LEARN PERSONALIZED INTENTS

Title of

As the undersigned inventor	or, I hereby declare that:
This combined declaration assignment is directed to:	and SThe attached application, or United States application or PCT International application number
The above-identified appli	ustion was made or authorized to be made by me.
I believe that I am the orig	inal inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and under assignment is being submit	stand the contents of the application including the claims, for which this combined declaration and ted.
WHEREAS, Samsung Election Suwon-si, Gyeonggi-do, K said invention and to any p NOW, THEREFORE, for a inventors, hereby sell, assignabove-identified applications, and correspondents.	extronics Co., Ltd., a Korean corporation, having a place of business at 129. Samsung-ro, Yeongtong-guorea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in atent that may be granted thereon in the United States and foreign countries; good and valuable consideration, the receipt whereof is hereby acknowledged, We, the below named an and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the n and the invention disclosed therein in all countries, including all divisional applications, continuation ading priority applications including those to which priority is claimed under the International
We hereby authorize and regranted, to said ASSIGNEI apply for patents for the impapers and generally to do patents for the invention in I hereby acknowledge that	equest the Patent Office Officials in the United States and all foreign countries to issue patents, when E, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may vention in foreign countries without further authorization from us. Also, We agree to execute all everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing all countries. any willful false statement made in this combined declaration and assignment is punishable under 18
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We hereby authorize and regranted, to said ASSIGNEI apply for patents for the impapers and generally to do patents for the invention in I hereby acknowledge that U.S.C. 1001 by fine or impact LEGAL NAME OF FIRST Inventor: Avik Ray Signature:	equest the Patent Office Officials in the United States and all foreign countries to issue patents, when E, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may rention in foreign countries without further authorization from us. Also, We agree to execute all everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing all countries. any willful false statement made in this combined declaration and assignment is punishable under 18 risonment of not more than five (5) years, or both. INVENTOR (e.g., full first name, middle initial, last name) Date:
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LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle is	nitial, last name)
Inventor: Hongxia Jin	Date: 2/16/208
Signature:	

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RECORDED: 02/23/2018

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