503919408 07/18/2016 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG-JIN KIM	01/15/2016
EUN-CHAN PARK	01/19/2016
HYUN-JAE SHIN	01/15/2016
JOON-SEOP OH	01/15/2016
YOUNG-MIN WON	01/15/2016
SANG-UNG YI	01/19/2016
SEUNG-HO JUNG	01/15/2016
JI-HUN HA	01/18/2016

RECEIVING PARTY DATA

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City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15212704

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	USG-6280-46	
NAME OF SUBMITTER:	UPDEEP S. GILL	
SIGNATURE:	/Updeep S. Gill/	

DATE SIGNED:	07/18/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 3 source=6280-46_DECLARATION_ASS source=6280-46_DECLARATION_ASS source=6280-46_DECLARATION_ASS	GNMENT#page2.tif

Samsung's Ref: GN-201506-033-1-US0

Document Description: Oath or declaration filed		
	Altorney Docket Number	USG-6280-46
r	First Named Inventor	KIM
INVENTOR'S DECLARATION AND ASSIGNMENT APPLICATION (37 CFR 1.63) USING AN APPLIC/		
OR		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1	16(fi) required)	
PORTABLE TERMINAL APPARATUS AND CON		REOF
(Title of the Invention)	<u>`````````````````````````````````````</u>	
As a below named inventor, I hereby declare that:		
This declaration is directed to:		
X The attached application,		
OR		
United States Application Number or PCT International application number		
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		
I hereby acknowledge that any willful false statement made in this declaration is punishal by fine or imprisonment of not more than five (5) years, or both.		*****
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the App		
WHEREAS, Samsung Electronics Co., Ltd. (hereinafter ASSIGNEE), a corpora Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic	ation having an office and place of Korea, is desirous of acquir	of business at 129, ing an interest therein;
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;		
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its further remuneration, in and to any improvements, and applications for patents based the	reon, growing out of or related to	the said invention;
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns full protection and title in and to the invention hereby transferred; and	s, and legal representatives, dee	med essential to ASSIGNEE'S
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneratio filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.	n, to execute any and all papers	desired by ASSIGNEE, for the
AGREED and executed as noted below:		
LEGAL NAME OF SOLE OR FIRST INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)		***************************************
Young-jin 🦯 /		KIM
Inventor's Signature:	Date: Jan, 1	5.2016

[7] Additional inventors are being named on the 2 supplemental sheet(s) PTO/AIA/10 attached hereto

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] §1.56

(Page 1 of 3)

Samsung's Ref. GN-201506-033-1-US0 DOCKET NO. USG-6280-46

Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Eun-chan PARK Inventor's Signature: Date: Jan, 19, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Hyun-jae Hyun-jae SHIN Inventor's Signature: Jan, 19, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Joon-seop Joon-seop Inventor's Signature: Joon-seop OH Inventor's Signature: Date: Joon-seop OH Inventor's Signature: Date: Joon-seop OH Inventor's Signature: Date: Young-min WON Inventor's Signature: Date: Young-min WON Inventor's Signature: Mart Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Jam I I S. 2016 Legal Name of A	SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet (for PTO/AIA//08/09) (Page 2 of 3)	
Eun-chan PARK Inventor's Signature: WM/MM/ Date: Jun, 19, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) SHIN Hyun-jae SHIN Date: Jun, 19, 2016 Inventor's Signature: SHIN Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: OH Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: OH Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: Jun 15, 2016 Legal Name of Additional Joint Inventor, if any: Use:	Legal Name of Additional Joint Inventor, if any:		
Inventor's Signature: Date: Jun, 19, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) SHIN Hyun-jae SHIN inventor's Signature: Date: Jun, 19, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: Date: Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: WON Jun, 15, 2016 Legal Name of Additional Joint Inventor, if any: WON Jun, 15, 2016 Inventor's Signature: Jung, J	(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)	
Image: Second state of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Hyun-jae SHIN inventor's Signature: Date: Joon-secp OH Inventor's Signature: OH Joon-secp OH Inventor's Signature: Date: Joon-secp OH Inventor's Signature: Date: Joon-secp OH Inventor's Signature: Date: Joon-secp OH Inventor's Signature: Joon-secp Young-min Dete: Young-min WON Inventor's Signature: Joung-min Kegai Name of Additional Joint Inventor, if any: Joung-min Legal Name of Additional Joint Inventor, if any: Joun 15, 2016	Eun-chan	PARK	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) SHIN Hyun-jae SHIN inventor's Signature: Date: Jonn-seep OH Inventor's Signature: Jonn-seep Joon-seep OH Inventor's Signature: Joury (if any) Joon-seep OH Inventor's Signature: Joury (if any) Joury (if any) Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) OH Inventor's Signature: Joury (if any) Young-min WON Inventor's Signature: WON Young-min WON Inventor's Signature: Jam (if any) Young-min WON Inventor's Signature: Jam (if any) Young-min WON Inventor's Signature: Jam (if any) Kegal Name of Additional Joint Inventor, if any: Jam (if any) Legal Name of Additional Joint Inventor, if any: Jam (if any) (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jam (if any) Sang-ung Y1 <td< td=""><td>Inventor's Signature:</td><td>Date: Jan, 19, 2016</td></td<>	Inventor's Signature:	Date: Jan, 19, 2016	
Hyun-jae SHIN inventor's Signature: Date: John John Legal Name of Additional Joint Inventor, if any: Impediate (if any)) and Family Name or Sumame) Joon-seep OH Inventor's Signature: Date: Joon-seep OH Inventor's Signature: Date: Journey Date: Journey Date: Journey Date: Journey Date: Journey Date: Journey Journey Legal Name of Additional Joint Inventor, if any: Date: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) WON Young-min WON Inventor's Signature: Date: Young-min WON Inventor's Signature: Date: Jam 15 WOL Legal Name of Additional Joint Inventor, if any: Date: (E.g., Given Name (first and middle (if anyl) and Family Name or Sumame) Jam 15 Sang-ung Y1	Legal Name of Additional Joint Inventor, if any:		
Inventor's Signature: June 1 Inventor's Signature: Jane 15, 2016 Legal Name of Additional Joint Inventor, if any: OH Inventor's Signature: Joon-seop Joon-seop OH Inventor's Signature: Joon-seop Joon-seop OH Inventor's Signature: Joon-seop Joon-seop OH Inventor's Signature: Joon-family Name or Surname) Young-min WON Inventor's Signature: WON Young-min WON Inventor's Signature: Joon 15, 2016 Legal Name of Additional Joint Inventor, if any: Use: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Young-min Young-min WON Inventor's Signature: Jon 15, 2016 Legal Name of Additional Joint Inventor, if any: Jon 15, 2016 Legal Name of Additional Joint Inventor, if any: Jon 15, 2016 Legal Name of Additional Joint Inventor, if any: Jon 15, 2016 Legal Name of Additional Joint Inventor, if any: Yi	(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)	
Shin Mun. Jac Jan. / 5. 20/6 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) OH Joon-seop OH Inventor's Signature: Joon/Jone (first and middle (if any)) and Family Name or Sumame) Date: Legal Name of Additional Joint Inventor, if any: Date: Jon. / 5. 20/6 Legal Name of Additional Joint Inventor, if any: Date: Jon. / 5. 20/6 Inventor's Signature: Young-min WON Inventor's Signature: Young-min WON Inventor's Signature: Jan. / 5. 20/6 Legal Name of Additional Joint Inventor, if any: Date: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jan. / 5. 20/6 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Sang-ung Y1 Inventor's Signature: Y1	Hyun-jae	SHIN	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) OH Joon-seop OH inventor's Signature: Joon/Joon/Joon/Joon/Joon/Joon/Joon/Joon		Num /	
Joon-seop OH Inventor's Signature: Jan, 15, 2016 Legal Name of Additional Joint Inventor, if any: Jan, 15, 2016 (E.g., Given Name (first and middle (if any)) and Family Name or Surname) WON Inventor's Signature: WON Legal Name of Additional Joint Inventor, if any: Date: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) WON Inventor's Signature: Jam 15, 2016 Legal Name of Additional Joint Inventor, if any: Implementer (first and middle (if any)) and Family Name or Surname) Sang-ung Yi	Legal Name of Additional Joint Inventor, if any:		
inventor's Signature: Jon (M, 16, 2016) Legal Name of Additional Joint Inventor, if any: Jan (M, 2016) (E.g., Given Name (first and middle (if any)) and Family Name or Surname) WON Young-min WON Inventor's Signature: Jan (M, 2016) Legal Name of Additional Joint Inventor, if any: Date: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jan (M, 2016) Legal Name of Additional Joint Inventor, if any: Date: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jan (M, 2016) Sang-ung Yi Inventor's Signature: Yi	(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)	
Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Young-min WON Inventor's Signature: Date: Jam 15, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Sang-ung Yi	Joon-seop	ОН	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) Young-min WON Inventor's Signature: Date: Jan 17, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Sang-ung YI	Inventor's Signature:	Date: Jan, 15, 2016	
Young-min WON Inventor's Signature: Oate: Jon 17, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Sang-ung Y1	Legal Name of Additional Joint Inventor, if any:		
Inventor's Signature: Date: Jan 15, 2016 Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) Sang-ung YI Inventor's Signature: Date:	(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)	
Yamy-min Jan 15, 2016 Legal Name of Additional Joint Inventor, if any: [E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Sang-ung Y1	Young-min	WON	
(E.g., Given Name (first and middle (if any)) and Family Name or Sumame) Sang-ung YI Inventor's Signature:	Inventor's Signature: Tamy-min Won		
Sang-ung YI	Legal Name of Additional Joint Inventor, if any:		
Inventor's Signature:	(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)	
Inventor's Signature: Date: Jan, 19.2016	Sang-ung	YI	
	Inventor's Signature:	Date: Jan, 19.2016	

Samsung's Ref: GN-201506-033-1-US0 DOCKET NO. USG-6280-46

SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet (for PTO/AIA//08/09)
	(Page 3 of 3)
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)
Seung-ho	JUNG
Inventor's Signature:	Date: Jan 15 2016
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Su	mame)
Ji-hun	НА
inventor's Signature: JFhun Ha	Date: Join 18 2016

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