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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5472962

		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DA	ATA		
		Name	Execution Date
JI YOUNG KIM			03/08/2019
HAKJOO KIM			03/11/2019
YONG-JUN PARK			03/11/2019
GWIHO LEE			03/08/2019
HO-DONG JWA			03/08/2019
WOOYOUNG CHOI			03/15/2019
RECEIVING PARTY DA			
Name:	SAMSUNG ELECTRONICS CO., LTD.		
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU,		
City:	SUWON-SI, GYEONGGI-DO, 16677		
State/Country:	KORE	A, REPUBLIC OF	
PROPERTY NUMBERS	Total: 1		
Property Type		Number	
		10011010	
Application Number:		16341849	
	ΑΤΑ	16341849	
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CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU	e sent to provideo	o the e-mail address first; if that is unsu d; if that is unsuccessful, it will be sent 972-628-3600 patents@munckwilson.com DOCKET CLERK - SEC P.O. DRAWER 800889 DALLAS, TEXAS 75380 SAMS06-17189 NEIL G. FERRARI	

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PATENT REEL: 050270 FRAME: 0823

DOCKET NO. SP17189-PCT/US (SAMS06-17189) Client Ref. GM-201610-033-1-US0

ASSIGNMENT

WHEREAS, We, Ji Young KIM, resident of Suwon-si, Gyeonggi-do, Republic of Korea, Hakjoo KIM, resident of Yongin-si, Gyeonggi-do, Republic of Korea, Gwiho LEE, resident of Uiwang-si, Gyeonggi-do, Republic of Korea, Ho-Dong JWA, resident of Suwon-si, Gyeonggi-do, Republic of Korea, Ho-Dong JWA, resident of Suwon-si, Gyeonggi-do, Republic of Korea, and Wooyoung CHOI, resident of Hwaseong-si, Gyeonggi-do, Republic of Korea, have invented certain new and useful improvements in a "METHOD FOR MANAGING COMPANION DEVICE, AND ELECTRONIC DEVICE USING SAME" disclosed in an application for United States Letters Patent (Application No. ______, filed on ______), said application having been executed concurrently herewith:

WHEREAS, SAMSUNG ELECTRONICS CO., LTD., a corporation organized under the laws of the Republic of Korea, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize Munck Wilson Mandala, LLP to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all

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lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: 2019 3. 3

Ji Young KIM

Date: 2019, 3, 11

Hakter Kim

Date: 2019 3.11

Date: 29/7, 3, 8

Date: 2019. 3.8

RECORDED: 04/12/2019

Yong-Jun PARK Yong-Jun PARK

Gwibo LEE

Ho-Dong JWA

Date: 2019 3 15

Woo YOUNG CHOI Wooyoung CHOI

PATENT REEL: 050270 FRAME: 0824

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