505468564 05/09/2019 ATENT ASSIGNMENT COVER SHE

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5515367

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	ΟΑΤΑ			
		Name	Execution Date	
PETRO KYTSUN			01/15/2019	
IEGOR VDOVYCHENKO			01/15/2019	
ALONA VITIUK			01/15/2019	
NATALIYA SAKHNENKO			01/15/2019	
OLEKSII PANFILOV			01/15/2019	
RECEIVING PARTY D	ΔΤΔ			
Name:		SAMSUNG ELECTRONICS CO., LTD.		
Street Address:		AMSUNG-RO, YEONGTONG-GU		
City:		SUWON-SI, GYEONGGI-DO		
State/Country:		KOREA, REPUBLIC OF		
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Postal Code:	16677			
	S Total: 1	Number		
	S Total: 1			
PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will	S Total: 1	Number		
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Total Attachments: 4

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RECORDATION FORM COVER SHEET PATENTS ONLY					
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.					
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)				
1) Petro KYTSUN, 2) legor VDOVYCHENKO, 3) Alona VITIUK, 4)	Name: Samsung Electronics Co., Ltd.				
Nataliya SAKHNENKO, and 5) Oleksii PANFILOV	Internal Address:				
Additional name(s) of conveying party(ies) attached? Yes 🗹 No					
3. Nature of conveyance/Execution Date(s):	Street Address: <u>129, Samsung-ro, Yeongtong-gu</u>				
Execution Date(s) January 15, 2019					
Assignment Merger	City: <u>Suwon-si, Gyeonggi-do</u>				
Security Agreement Change of Name					
Joint Research Agreement	State:				
Government Interest Assignment	Country: Republic of Korea Zip: 16677				
Executive Order 9424, Confirmatory License					
Other	Additional name(s) & address(es) attached? Yes 🖌 No				
	document is being filed together with a new application.				
A. Patent Application No.(s) 16/407,707	B. Patent No.(s)				
10/407,707					
Additional numbers at	I cached? Yes VNo				
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One				
Name: Jefferson IP Law, LLP	7 Total fee (27 CER 1 21(b) 8 2 41) \$				
Internal Address: Joshua H. Sgueo	7. Total fee (37 CFR 1.21(h) & 3.41) \$				
Internal Address.	Authorized to be charged by credit card Authorized to be charged to deposit account				
Street Address: 1130 Connecticut Ave., NW, Suite 420	None required (government interest not affecting title)				
City: Washington	8. Payment Information				
State: District of Columbia Zip:20036	a. Credit Card Last 4 Numbers Expiration Date				
Phone Number: <u>202-293-0804</u>	· · · · · · · · · · · · · · · · · · ·				
Fax Number: 202-403-3587	b. Deposit Account Number Authorized User Name				
Email Address: usdocketing@jeffersonip.com					
9. Signature:					
Joshua H. SGUEO/ Reg. # Signature	67,154 <u>May 9, 2019</u> Date				
Joshua H. Sgueo	Total number of pages including cover				
Name of Person Signing					
Name of Ferson olgning	sheet, attachments, and documents:				

PATENT REEL: 049130 FRAME: 0666 DOCKET NO.: 0502-0438 CLIENT REF.: S11-55671-US-DMC SAMSUNG REF.: WE-201709-002-1-US0

Assignment

WHEREAS the following inventors, namely 1) Petro KYTSUN, 2) legor VDOVYCHENKO, 3) Along VITIUK, 4) Nataliya SAKHNENKO, and 5) Oleksii PANFILOV (hereinafter called "Assignors"), having made or discovered certain new ascful and non-obvious improvements in an invention baving a working title of:

CALIBRATION DEVICE AND METHOD OF OPERATING THE SAME.

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on <u>May 9, 2019</u>, and assigned Serial No. 16/407,707; and

WHEREAS, Sumsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 129. Samsung-ro. Yeongtong-gu, Sustansi, Gyeonggi-do, Republic of Korea, 16677 (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration. the receipt and sufficiency of which me hereby acknowledged. Assigners do hereby sell, assign and transfer unto said Assignce the entire and exclusive worldwide right, fille and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application. any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Lenets Patent, United States and all other foreign countries, that may be granied for said inventions and discoveries, and is and to all extensions, tenewals and reissues thereof; and the tight to file any other foreign country application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or relasue application therefrom. The atoresaid assignment includes the right in and to all income, royalties, damages and paymonts, now or hereafter due or psyable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and master had not been made.

Assigners covenant and agree, without further compensation to said Assigners but at Assignce's expense:

- a to execute.
 - all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignee may doem necessary or expedient, and
 - all papers in connection with any interference. Itigation, incluation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or teissue application thereof, as may be necessary or expedient;
- b. to cooperate with the Assignee in every way possible in obtaining evidence and going forward in any interference, hugation, mediation, arbitration or other

PATENT REEL: 049130 FRAME: 0667

proceeding relating to suid invention, said application and any divisional, continuing, substitute or relissue application thereof;

- c. to communicate to the Assignce any facts relating to said invention, said application and any divisional, continuing, substitute or reassue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute of reissue application thereof whenever requested, and
- 6. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to weat in Assignce the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee to record fulle.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignee, its legal representatives, successors and assigns.

Assignors each hereby represents, covenants and warrants that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herowith.

The provisions of this Assignment are binding upon Assignors' heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of Jefferson IP Law, LLP of Washington, DC and its attorneys and agents as associated with Customer No. 68193 the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposer of recordation in the United Space Patent and Trademark Office or a Patent Office of any foreign country.

> PATENT REEL: 049130 FRAME: 0668

DOCKET NG.: 0502-0435 CLIENT REF.: SH-55671-US-DMC SAMSUNG REF.: WU-201709-002-1-US0

Signature of Inventor:	Petro KYINUN	VA STATES
Signature of Inventor.	Iegor VDOVYCINENKO	<u>Circit Soc</u> i S Dae
Signature of Inventor:	-f. f.c.f Nona VITIUK	イデ <u>た き マル イリ</u> Dato
Signature of Inventor:	Natutiya SAKHINENKO	- <u>/ [] 6/ // // //</u> Date
Signature of Inventor:		<u> ほっかんでの</u> で Data

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RECORDED: 05/09/2019