PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

Corrective Assignment to correct the INVENTORSHIP previously recorded on Reel 047303 Frame 0313. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
BEOM JOON CHO	10/11/2018
SANG SOO PARK	10/11/2018
KI YOUNG KIM	10/11/2018
WOO CHUL SHIN	10/11/2018

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.	
Street Address: MAEYOUNG-RO 150 (MAETAN-DONG), YOUNGTONG-GU		
City:	SUWON-SI, GYEONGGI-DO	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16169912

CORRESPONDENCE DATA

Fax Number: (202)756-8087

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: 202-756-8000

Email: lcruz@mwe.com, ipdocketmwe@mwe.com,

WDCIPPTSClerks@mwe.com

Correspondent Name: MCDERMOTT WILL & EMERY LLP Address Line 1: THE MCDERMOTT BUILDING

Address Line 2: 500 NORTH CAPITOL STREET, N.W.

Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER: 097821-1412

NAME OF SUBMITTER: LYNN CRUZ

SIGNATURE: /LYNN CRUZ/

DATE SIGNED: 11/07/2018

Total Attachments: 4

PATENT REEL: 047443 FRAME: 0081

EPAS ID: PAT5225204

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PATENT REEL: 047443 FRAME: 0082

505157918 10/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5204685

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BEOM JOON CHO	10/11/2018
SANG SOO PARK	10/11/2018
KI YOUNG KIM	10/11/2018
Was Chal Shin	20/12/2018

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Street Address:	MAEYOUNG-RO 150 (MAETAN-DONG), YOUNGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16169912

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Phone: 202-756-8000

Email: lcruz@mwe.com, ipdocketmwe@mwe.com,

WDCIPPTSClerks@mwe.com

Correspondent Name: MCDERMOTT WILL & EMERY LLP Address Line 1: THE MCDERMOTT BUILDING

Address Line 2: 500 NORTH CAPITOL STREET, N.W.

Address Line 4: WASHINGTON, D.C. 20001

§	
ATTORNEY DOCKET NUMBER:	097821-1412
NAME OF SUBMITTER:	LYNN CRUZ
SIGNATURE:	/LYNN CRUZ/
DATE SIGNED:	10/24/2018

Total Attachments: 3

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> PATENT REEL: 047443 FRAME: 0083

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

ELECTRONIC COMPONENT INCLUDING A CAPACITOR ARRAY

which	application is:
X	attached, or
	United States application number or PCT international application number filed on
The ab	ove-identified application was made or authorized to be made by me.
execut reques	event that the filing date and/or application number are not entered above at the time I te this document, and if such information is deemed necessary, I hereby authorize and the registered practitioners of McDermott Will & Emery LLP, associated with the ner Number 20277, to insert above the filing date and/or application number of the ation.
I hereb	by acknowledge that any willful false statement made in this declaration is punishable

under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign to

SAMSUNG ELECTRO-MECHANICS CO., LTD.

having an address at Maeyoung-Ro 150 (Maetan-Dong), Youngtong-Gu, Suwon-Si, Gyeonggi-Do, Republic of Korea

hereinafter designated as the Assignee, the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in this document.

I hereby confirm any prior assignment to Assignee, and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the undersigned had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights:

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

I hereby covenant that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

Page 2 of 3

Legal name of first inventor	
Beom Joon CHO	
First inventor's signature	Date
조병관	2018.10.11
<u>Contractors of the contractors </u>	077 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Legal name of second inventor	**************************************
Sang Soo PARK	
Second inventor's signature	Date
방 상수	2018.10.11
Legal name of third inventor	
Ki Young KIM	***************************************
Third inventor's signature	Date
45	2018.10.11.
Legal name of fourth inventor	
Woo Chul SHIN	***************************************
Fourth inventor's signature	2018. 10.11