

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3860360

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YONGSUNG KIM	02/12/2016
RECEIVING PARTY DATA		
Name:	SAMSUNG ELECTRONICS CO., LTD.	
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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:	15011199
CORRESPONDENCE DATA		
Fax Number:	(703)668-8200	
<i>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.</i>		
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Email:	jevensen@hdp.com	
Correspondent Name:	JOHN A. CASTELLANO	
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ATTORNEY DOCKET NUMBER:	2557SI-002341-US-01	
NAME OF SUBMITTER:	JOHN A. CASTELLANO	
SIGNATURE:	/John A. Castellano/	
DATE SIGNED:	05/05/2016	
Total Attachments: 8		
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COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM¹ FOR MORE THAN ONE ASSIGNEE

The undersigned acknowledge that this document is being used both as an assignment of
the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned inventors have invented:

Title: **GRAPHENE-INSERTED PHASE CHANGE MEMORY DEVICE AND METHOD OF
FABRICATING THE SAME**

for which Inventors are about to make or has made United States or International
application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This declaration is directed to:

- ☒ The attached U.S. non-provisional patent application, or
- ☐ U.S. non-provisional patent application number _____, filed on
_____, or
- ☐ PCT international patent application number _____, filed on
_____.

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed
invention in the above-identified application.

I (we) hereby 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.

¹ This form requires the use of an Application Data Sheet.

SEC Ref No. **RO-201503-002-1-US0**

Attorney Ref No. **2557SL-002341-US-01**

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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;

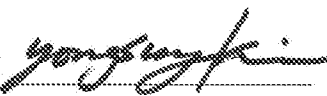
Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of **Harness, Dickey & Pierce, P.L.C.** the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Inventor(s)/Assignor(s) Signature(s) for Section II.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Yongsung	

SIGNATURE 

DATE 2/12/2016

SEC Ref No. RO-201503-002-1-US0

Attorney Ref No. 2557SI-002341-US-01

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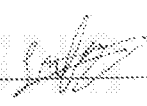
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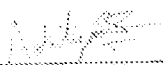
SAMSUNG ELECTRONICS CO., LTD.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of **Harness, Dickey & Pierce, P.L.C.** the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Inventor(s)/Assignor(s) Signature(s) for Section III.

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	AHN	Chiyul	
SIGNATURE  DATE 02/06/2018			

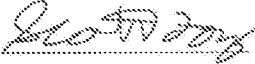
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SOOD	Aditya	
SIGNATURE  DATE Feb 07, 2018			


SEC Ref No. RO-201503-002-1-US0 Attorney Ref No. 2557SI-002341-US-01

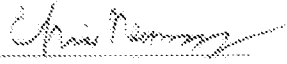
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LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	FONG	Scott	
SIGNATURE  DATE 2/6/2016			

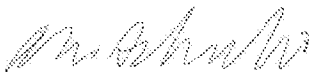
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	LEE	Seunghyun	
SIGNATURE  DATE 2/8/2016			

LEGAL NAME OF NINTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	NEUMANN	Christopher	M.
SIGNATURE  DATE 2/8/2016			

SEC Ref No. RG-201503-002-1-US0 Attorney Ref No. 2557SI-002341-US-01

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SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	Family Name ASHEGHI	First Given Name Mehdi	Second Given Name
<div style="text-align: center;"> SIGNATURE _____ DATE 2-6-2016 _____</div>			



SAMSUNG ELECTRONICS

SEC Ref No. 8/C-201503-002-1-US0 Attorney Ref No. 258751-002341-US-01

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