

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>GEON SE CHANG</td> <td>10/28/2013</td> </tr> <tr> <td>SUNG KWON WI</td> <td>10/28/2013</td> </tr> <tr> <td>YONG SUK KIM</td> <td>10/28/2013</td> </tr> </tbody> </table>	Name	Execution Date	GEON SE CHANG	10/28/2013	SUNG KWON WI	10/28/2013	YONG SUK KIM	10/28/2013	
Name	Execution Date								
GEON SE CHANG	10/28/2013								
SUNG KWON WI	10/28/2013								
YONG SUK KIM	10/28/2013								
RECEIVING PARTY DATA									
Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.								
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City:	SUWON-SI, GYEONGGI-DO								
State/Country:	KOREA, REPUBLIC OF								
PROPERTY NUMBERS Total: 1									
Property Type	Number								
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NAME OF SUBMITTER:	TARA JEFFERS								
Signature:	/tara jeffers/								
Date:	11/12/2013								
Total Attachments: 2 source=assignment#page1.tif source=assignment#page2.tif									

CH \$40.00 14078033

(SAB)

Docket No.: _____

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) CHANG, Geon Se (5) _____
(2) WI, Sung Kwon (6) _____
(3) KIM, Yong Suk (7) _____
(4) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SAMSUNG Electro-Mechanics Co., Ltd.

150, Maeyong-ro, Yeongtong-gu,

Suwon, Gyeonggi-Do

Republic of KOREA

Postal Code: 443-743

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

THIN FILM TYPE CHIP DEVICE AND METHOD FOR MANUFACTURING THE SAME

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) CHANG, Geon Se 2013. 10. 28
Name: CHANG, Geon Se

2) WI, Sung Kwon 2013. 10. 28
Name: WI, Sung Kwon

PATENT

REEL: 031587 FRAME: 0293

3)

KIM Yong Suk

2013. 10. 29

Name: KIM, Yong Suk