

PATENT ASSIGNMENT

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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>Yong Suk Kim</td> <td>01/26/2012</td> </tr> <tr> <td>Young Ghyu Ahn</td> <td>01/26/2012</td> </tr> <tr> <td>Young Seuck Yoo</td> <td>01/26/2012</td> </tr> <tr> <td>Jeong Bok Kwak</td> <td>01/25/2012</td> </tr> <tr> <td>Sang Moon Lee</td> <td>01/26/2012</td> </tr> <tr> <td>Kang Heon Hur</td> <td>01/26/2012</td> </tr> <tr> <td>Sung Kwon Wi</td> <td>01/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yong Suk Kim	01/26/2012	Young Ghyu Ahn	01/26/2012	Young Seuck Yoo	01/26/2012	Jeong Bok Kwak	01/25/2012	Sang Moon Lee	01/26/2012	Kang Heon Hur	01/26/2012	Sung Kwon Wi	01/26/2012
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Sung Kwon Wi	01/26/2012																
RECEIVING PARTY DATA																	
Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.																
Street Address:	314, Maetan3-dong, Yeongtong-gu, Suwon-si																
City:	Gyunggi-do																
State/Country:	KOREA, REPUBLIC OF																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13420538</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13420538												
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Application Number:	13420538																
CORRESPONDENCE DATA																	
Fax Number:	(408)720-8383																
Phone:	310-207-3800																
Email:	alexis_karriker@bstz.com																
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
Correspondent Name:	Blakely, Sokoloff, Taylor & Zafman LLP																
Address Line 1:	1279 Oakmead Parkway																
Address Line 4:	Sunnyvale, CALIFORNIA 94085-4040																
ATTORNEY DOCKET NUMBER:	009237.P026																

CH \$40.00 13420538

NAME OF SUBMITTER:

Eric S. Hyman

Total Attachments: 3

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ASSIGNMENT OF PATENT APPLICATIONAttorney Docket No.: 009237.P026

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned,

1) KIM, Yong Suk 2) AHN, Young Ghyu 3) YOO, Young Seuck 4) KWAK, Jeong Bok 5) LEE, Sang Moon 6) HUR, Kang Heon 7) WI, Sung Kwon hereby sell, assign, and transfer to SAMSUNG ELECTRO-MECHANICS CO., LTD. a _____

of _____
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at _____

314, Maetan3-dong, Yeongtong-gu, Suwon-si, Gyunggi-do, Republic of KOREA _____,

("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

FILTER FOR REMOVING NOISE

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 13/420,538 filed March 14, 2012,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

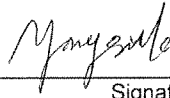
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or

improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

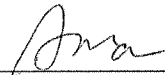
Each Inventor: Please Sign and Date Below:

January 26, 2012
Date


Signature

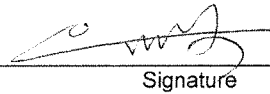
KIM, Yong Suk
Printed/Typed Name

Jan 26, 2012
Date


Signature

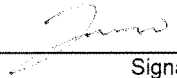
AHN, Young Ghyu
Printed/Typed Name

January 26, 2012
Date


Signature

YOO, Young Seuck
Printed/Typed Name

January, 2012
Date


Signature

KWAK, Jeong Bok
Printed/Typed Name

Jan. 26, 2012
Date

[Handwritten Signature]

Signature

LEE, Sang Moon
Printed/Typed Name

1. 26, 2012
Date

[Handwritten Signature]

Signature

HUR, Kang Heon
Printed/Typed Name

Jan. 26, 2012
Date

[Handwritten Signature]

Signature

WI, Sung Kwon
Printed/Typed Name

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(408) 720-8300