

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sang Hoon HWANG</td> <td>01/12/2009</td> </tr> <tr> <td>Tah Joon PARK</td> <td>01/12/2009</td> </tr> <tr> <td>Myeung Su KIM</td> <td>01/12/2009</td> </tr> <tr> <td>Kyung Hee HONG</td> <td>01/12/2009</td> </tr> <tr> <td>Joon Hyung LIM</td> <td>01/12/2009</td> </tr> <tr> <td>Yong Il KWON</td> <td>01/12/2009</td> </tr> </tbody> </table>		Name	Execution Date	Sang Hoon HWANG	01/12/2009	Tah Joon PARK	01/12/2009	Myeung Su KIM	01/12/2009	Kyung Hee HONG	01/12/2009	Joon Hyung LIM	01/12/2009	Yong Il KWON	01/12/2009
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RECEIVING PARTY DATA															
Name:	Samsung Electro-Mechanics Co., Ltd.														
Street Address:	314, Maetan3-Dong, Yeongtong-Gu														
City:	Suwon-si, Gyunggi-do														
State/Country:	REPUBLIC OF KOREA														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12358887</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12358887										
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Application Number:	12358887														
CORRESPONDENCE DATA															
Fax Number:	(703)518-5499														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	7036841111														
Email:	awilson@ipfirm.com														
Correspondent Name:	LOWE HAUPTMAN HAM & BERNER, LLP														
Address Line 1:	1700 DIAGONAL ROAD														
Address Line 2:	SUITE 300														
Address Line 4:	ALEXANDRIA, VIRGINIA 22314														
ATTORNEY DOCKET NUMBER:	4859-069														
NAME OF SUBMITTER:	Ayesha Wilson														

OP \$40.00 12358887

Total Attachments: 2

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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) HWANG Sang Hoon
- 2) PARK Tah Joon
- 3) KIM Myeung Su
- 4) HONG Kyung Hee
- 5) LIM Joon Hyung
- 6) KWON Yong Il

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

SAMSUNG Electro-Mechanics Co., Ltd.

314, Maetan3-Dong, Yeongtong-Gu,

Suwon-Si, Gyeonggi-Do

Republic of KOREA

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

BROADBAND VOLTAGE CONTROLLED OSCILLATOR AND METHOD FOR GENERATING BROADBAND OSCILLATION FREQUENCY

- (a) for which an application for United States Letters Patent was filed on _____ and identified by United States Patent Application No. _____; or
- (b) for which an application for United States Letters Patent was executed on _____

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, and 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 agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees 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 date indicated aside my signature:

1) 
Name: HWANG Sang Hoon

2009. 01. 12
Date

2) 
Name: PARK Tah Joon

. 2009. 01. 12
Date

3) 
Name: KIM Myeung Su

2009. 1. 12
Date

4) 홍경희
Name: HONG Kyung Hee

2009. 01. 12
Date

5) LIM Joon Hyung
Name: LIM Joon Hyung

2009. 01. 12
Date

6) Kwon Yong Il
Name: KWON Yong Il

2009. 01. 12
Date