

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jun Ki MIN</td> <td>07/02/2008</td> </tr> <tr> <td>Jong Sik KIM</td> <td>07/02/2008</td> </tr> <tr> <td>Hyun Chol SHIN</td> <td>07/02/2008</td> </tr> <tr> <td>Jeong Suk LEE</td> <td>07/02/2008</td> </tr> </tbody> </table>		Name	Execution Date	Jun Ki MIN	07/02/2008	Jong Sik KIM	07/02/2008	Hyun Chol SHIN	07/02/2008	Jeong Suk LEE	07/02/2008
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Jong Sik KIM	07/02/2008										
Hyun Chol SHIN	07/02/2008										
Jeong Suk LEE	07/02/2008										
RECEIVING PARTY DATA											
Name:	Samsung Electro-Mechanics Co., Ltd.										
Street Address:	314 MAETAN3-DONG, YEONGTONG-GU										
City:	SUWON, 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>12194896</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12194896						
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Application Number:	12194896										
CORRESPONDENCE DATA											
Fax Number:	(703)684-1111										
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NAME OF SUBMITTER:	Ayesha Wilson										

Total Attachments: 2
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500626095

**PATENT
 REEL: 021417 FRAME: 0871**

OP \$40.00 12194896

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) MIN, Jun Ki (4) LEE, Jeong Suk
- (2) KIM, Jong Sik (5) _____
- (3) SHIN, Hyun Chol (6) _____

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

SAMSUNG ELECTRO-MECHANICS CO., LTD.
314 Maetan3-dong, Yeongtong-gu,
Suwon, Gyunggi-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 WIDE-BAND DIRECT CONVERSION TRANSMISSION APPARATUS

- (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:

INVENTOR(S)	DATE SIGNED
1) <u><i>Min Jun Ki</i></u> Name: MIN, Jun Ki	<u>2008. 7. 2</u>
2) <u><i>[Signature]</i></u> Name: KIM, Jong Sik	<u>2008. 7. 2</u>
3) <u><i>[Signature]</i></u> Name: SHIN, Hyun Chol	<u>2008. 7. 2</u>
4) <u><i>J.S. Lee</i></u> Name: LEE, Jeong Suk	<u>2008. 7. 2</u>