

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Byeoung-ju HA	07/27/2004
Yun-kwon PARK	08/16/2004
In-sang SONG	08/16/2004
Il-jong SONG	08/16/2004
Jong-seok KIM	08/16/2004
Duck-hwan KIM	08/16/2004
Jun-sik HWANG	07/27/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD
<b>Street Address:</b>	416 Maetan-dong, Yeongtong-gu
<b>City:</b>	Suwon-si, Gyeonggi-do
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11687734
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<b>NAME OF SUBMITTER:</b>	Peter A. McKenna

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**PATENT**  
**REEL: 024880 FRAME: 0547**

Total Attachments: 1

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### Assignment


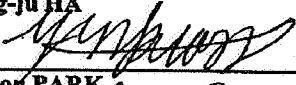
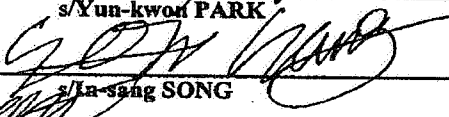
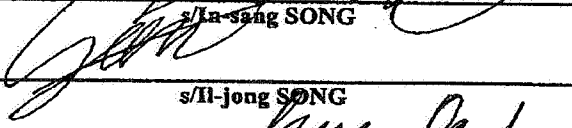
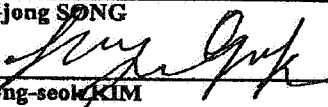
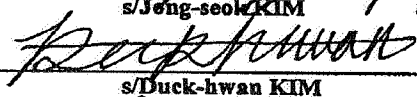
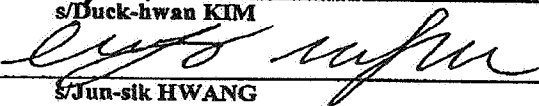
Whereas, We, Byeoung-ju HA of Yongin-si, Gyeonggi-do, Republic of Korea, Yun-kwon PARK of Dongducheon-si, Gyeonggi-do, Republic of Korea, In-sang SONG of Seoul, Republic of Korea, Il-jong SONG of Suwon-si, Gyeonggi-do, Republic of Korea, Jong-seok KIM of Hwasung-gun, Gyeonggi-do, Republic of Korea, Duck-hwan KIM of Seoul, Republic of Korea, and Jun-sik HWANG of Ohsan-si, Gyeonggi-do, Republic of Korea, hereinafter called assignors, have invented certain improvements in **FILM BULK ACOUSTIC RESONATOR AND METHOD FOR MANUFACTURING THE SAME** and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., of 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date:	 s/Byeoung-ju HA	July 27, 2004
Date:	 s/Yun-kwon PARK	August 16, 2004
Date:	 s/In-sang SONG	August 16, 2004
Date:	 s/Il-jong SONG	August 16, 2004
Date:	 s/Jong-seok KIM	August 16, 2004
Date:	 s/Duck-hwan KIM	August 16, 2004
Date:	 s/Jun-sik HWANG	July 27, 2004

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)