

09-08-2004

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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Byeoung-ju HA  
Yun-kwon PARK  
In-sang SONG  
Il-jong SONG  
Jong-seok KIM  
Duck-hwan KIM  
Jun-sik HWANG  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong,  
Yeongtong-gu,  
Suwon-si, Gyeonggi-do,  
Korea

17302 U.S.PTO  
10/929569

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3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: July 27, 2004, August 16, 2004, August 16, 2004, August 16, 2004, August 16, 2004, August 16, 2004, August 16, 2004 and July 27, 2004

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: July 27, 2004, August 16, 2004, August 16, 2004, August 16, 2004, August 16, 2004, August 16, 2004 and July 27, 2004  
A. Patent Application No.(s)  
Not yet assigned

B. Patent No.(s)  
Not yet assigned

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

6. Total number of applications and patents involved:  
1

7. Total fee (37 CFR 3.41): \$40.00  
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

*Darryl Mexic*  
Darryl Mexic Reg. No. 23,063

August 31, 2004  
Date

Total number of pages including cover sheet, attachments, and documents: 2

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### Assignment

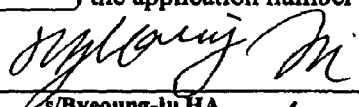
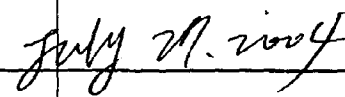
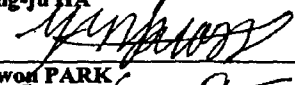
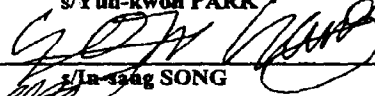

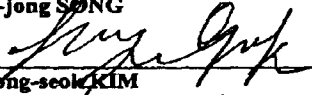
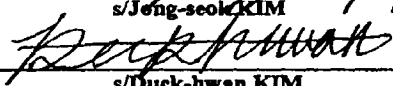

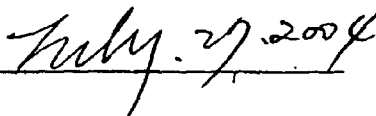
Whereas, We, **Byeoung-ju HA** of Yongin-si, Gyeonggi-do, Republic of Korea, **Yun-kwon PARK** of Dongducheon-si, Gyeonggi-do, Republic of Korea, **In-sang SONG** of Seoul, Republic of Korea, **Il-jong SONG** of Suwon-si, Gyeonggi-do, Republic of Korea, **Jong-seok KIM** of Hwasung-gun, Gyeonggi-do, 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:		August 16, 2004
	s/Yun-kwon PARK	
Date:		August 16, 2004
	s/In-sang SONG	
Date:		August 16, 2004
	s/Il-jong SONG	
Date:		August 16, 2004
	s/Jong-seok KIM	
Date:		August 16, 2004
	s/Duck-hwan KIM	
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)