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1. Name of conveying party(ies): Kook-hyun SUN WOO Yong-su KIM			2. Name and address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea		
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Execution Date: November 13, 2006					
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:					
A. Patent Application No.(s) 11/647,389			B. Patent No.(s)		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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		
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 Christopher R. Lipp		Reg. No. 41,157		March 23, 2007 Date	
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Modified Form PTO-1036 (Rev. 07/05)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents the new address(es) below.

<p>1. Name of conveying party(ies): Kook-hyun SUNWOO Yong-su KIM</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): SAMBUNG ELECTRONICS CO., LTD. *416, Maetan 3-dong, Yeongtong-gu Suwon-city Gyeonggi-do 442-742 Korea, Republic of</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s):</p> <p>Execution Date(s): November 13, 2008 and November 13, 2008</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other</p>	<p>122906 U.S. PTO 11/647389</p>
<p>4. Application number(s) or patent number(s):</p> <p>A. Patent Application No.(s)</p>	<p><input checked="" type="checkbox"/> This document is being filed together with a new application</p> <p>B. Patent No.(s)</p>
<p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>SUGRUE MION, PLLC WASHINGTON OFFICE 23373 CUSTOMER NUMBER</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41): \$40.00 <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to Deposit Account No. 19-4680. <input checked="" type="checkbox"/> Enclosed. <input type="checkbox"/> None required (government interest not affecting fee)</p> <p>8. Deposit Account Number: (Attach duplicate copy of this page if paying by deposit account)</p>
<p>9. Signature: _____ Date: December 29, 2008</p> <p>/darrylmxio/ _____ Darryl Miodo Reg. No. 29,063 Date</p>	
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Patent No. 68122
For the U.S. Office

Assignment

Whereas, we, Kook-hyun SUNWOO of Ewha-wong-si, Republic of Korea and Yong-su KIM of Seoul, Republic of Korea, hereinafter called assignors, have invented certain improvements in RESONATOR, BAND-PASS FILTER, AND DUPLEXER and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 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 patent 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, the confirmation number and the filing date of said application when known.

Date: Nov/13/2006
i/Kook-hyun SUNWOO

Date: Nov/13/2006
i/Yong-su KIM

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