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Young-bo SHIM  
Kyung-shik ROH  
Sang-on CHOI  
Woo-sup HAN

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

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
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Execution Date: April 1, 2005

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)  
10/987,319

B. Patent No.(s)  
Unknown

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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*Darryl Mexic*  
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April 4, 2005  
Date

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

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### Assignment

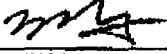
Whereas, I/We, Woong KWON, Young-bo SHIM, Kyung-shik ROH, Sang-on CHOI, Woo-sup HAN of Seongnam-si, Gyeonggi-do, Republic of Korea, Eunpyeong-gu, Seoul, Republic of Korea, Seongnam-si, Gyeonggi-do, Republic of Korea, Suwon-si, Gyeonggi-do, Republic of Korea, Yongin-si, Gyeonggi-do, Republic of Korea, respectively, hereinafter called assignor(s), have invented certain improvements in APPARATUS AND METHOD OF CALIBRATING AZIMUTH OF MOBILE DEVICE and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

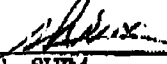
Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

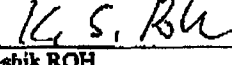
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,


I/We, the above named assignor(s), 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 I/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 I/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.

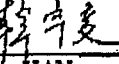
I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/987,319 and Confirmation number \_\_\_\_\_, filed 15 Nov. 2004) the application number and filing date of said application when known.

Date: 1 Apr. 2005   
s/Woong KWON

Date: 1 Apr. 2005   
s/Young-bo SHIM

Date: 1 Apr. 2005   
s/Kyung-shik ROH

Date: 1 Apr. 2005   
s/Sang-on CHOI

Date: 1 Apr. 2005   
s/Woo-sup HAN

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