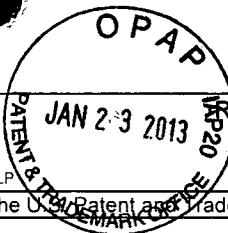


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U.S. DEPARTMENT OF COMMERCE

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01-23-13

1. Name of conveying party(ies):

- 1.) Seung Ju HAN
- 2.) Jae Joon HAN
- 3.) Won Chul BANG
- 4.) Do Kyoon KIM

2. Name and Address of receiving party(ies):

**SAMSUNG ELECTRONICS CO., LTD.**  
**129, Samsung-ro, Yeongtong-gu,**  
**Suwon-si, Gyeonggi-do 443-742**  
**Republic of Korea**

3. Nature of conveyance:

- ☒ Assignment
- ☐ Security Agreement
- ☐ Other: \_\_\_\_\_
- ☐ Merger
- ☐ Change of Name

Execution Date(s): January 7, 2013

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

OR

☒ This document is being filed after filing of the application:

- (a) Patent Application No. 13/810,531, filed January 16, 2013; or
- (b) Patent No. \_\_\_\_\_

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP  
Attention: Sameer Vadera  
1201 New York Ave., N.W., 7th Floor  
Washington, D.C. 20005  
Our Docket: 1911.1674

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

- ☒ Enclosed
- ☐ Authorized to be charged to credit card.
- ☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

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Sameer Vadera, Reg. No. L0731  
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Sameer Vadera  
Signature

Jan. 23, 2013  
Date

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# U.S. ASSIGNMENT

S&amp;H 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

**SAMSUNG ELECTRONICS CO., LTD.**  
129, Samsung-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do 443-742  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

## APPARATUS AND METHOD FOR MANIPULATING A VIRTUAL WORLD BY UTILIZING BIOMETRIC INFORMATION

relating to International Patent Application PCT/KR2011/004346, filed on June 14, 2011, and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on :

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. :

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

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The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Seung Ju HAN</u>	<u>January 7, 2013</u>	
Seung Ju HAN		
2) <u>Jae Joon Han</u>	<u>January 7, 2013</u>	
Jae Joon HAN		
3) <u>Won Chul Bang</u>	<u>January 7, 2013</u>	
Won Chul BANG		
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Do Kyoan KIM		