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Assistant Commissioner for Patents

U.S. DEPARTMENT OF COMMERCE  
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Attorney Docket No. 5000-1-906

12919 U.S. PTO  
11/497835  
080206

1. Name of conveying party(ies):

Chul-Seung KIM; Ho-Chul SHIN; Woo-Jun CHOI;  
Seung-Mi KANG; Young-Kyu BAE;  
Young-Seop HAN; Yun-Je OH

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

Other: \_\_\_\_\_

Execution Date: July 25, 2006

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

Name: SAMSUNG ELECTRONICS CO.; LTD.

Address: 416, MAETAN-DONG, YEONGTONG-GU

SUWON-SI, GYEONGGI-DO

REPUBLIC OF KOREA

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 25, 2006

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Steve Cha

Address: CHA & REITER  
210 Route 4 East, Suite #103  
Paramus, New Jersey 07652

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed

Authorized to be charged to deposit account, if necessary - for overages or underpayments only

8. Deposit account number: 502-470  
(Attach duplicate copy of this page if paying by deposit account)

08/04/2006 ERYALEW1 00000002 11497835

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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.

Steve Cha, Reg No.44,069  
Name of Person Signing

[Signature]  
Signature

8/2/06  
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
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(BDSM 8)  
(9/94)

PATENT  
REEL: 018150 FRAME: 0655

**Assignment of Invention and Patent Application**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Chul-Seung KIM of  
#104-2506, Bongcheon Woosung APT., 1706, Bongcheon-dong, Gwanak-gu, Seoul,  
Republic of Korea
- 2) Ho-Chul SHIN of  
#813, Cheriville Officetel, 187, Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do,  
Republic of Korea
- 3) Woo-Jun CHOI of  
#207-8, Maetan 4-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea
- 4) Seung-Mi KANG of  
#303-1004, Byucksan 3-cha APT., Jukjeon 2-dong, Yongin-si, Gyeonggi-do,  
Republic of Korea
- 5) Young-Kyu BAE of  
#532, Hyundai Highel O/T, 1016-2, Ingye-dong, Paldal-gu, Suwon-si, Gyeonggi-do,  
Republic of Korea
- 6) Young-Seop HAN of  
#125-1601, Hwanggol Jugong 1-danji APT., Yeongtong-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea
- 7) Yun-Je OH of  
#107-1801, Samsung Raemian 1-cha APT., Mabuk-ri, Guseong-eup, Yongin-si, Gyeonggi-  
do, Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

**SAMSUNG ELECTRONICS CO., LTD.** of  
**416, MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO,**  
**REPUBLIC OF KOREA**

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. §1.00, in and to the invention entitled as:

METHOD FOR UPDATING CONTENTS OF A DMS IN A DLNA SYSTEM

invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

**SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

**Name of First Inventor: Chul-Seung KIM**

  
\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM

**Name of Second Inventor: Ho-Chul SHIN**

  
\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM

**Name of Third Inventor: Woo-Jun CHOI**



\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM

**Name of Fourth Inventor: Seung-Mi KANG**

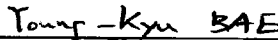


\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM

**Name of Fifth Inventor: Young-Kyu BAE**



\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM

**Name of Sixth Inventor: Young-Seop HAN**



\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM

**Name of Seventh Inventor: Yun-Je OH**



\_\_\_\_\_  
Signature of inventor

Dated: July 25, 2006

WITNESSED: Jong-Hee KIM