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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

SHEET

Attorney Docket No: 5000-1-1218

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):  
Hong-Sil JEONG; Se-Ho MYUNG; Jae-Yoel KIM;  
Sung-Ryul YUN; Hak-Ju LEE; Kyeongcheol YANG;  
Hyeon-Koo YANG; Dong-Min SHIN;  
Kyung-Joong KIM

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

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

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

Execution Date: August 28, 2008

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: August 28, 2008

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

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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

8/28/08  
Date

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

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PATENT  
REEL: 021520 FRAME: 0036

(BDSM 8)

**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) Hong-Sil JEONG of  
#102-2003, Samhwan APT., Singil 7-dong, Yeongdeungpo-gu, Seoul, Republic of Korea
- 2) Se-Ho MYUNG of  
#201-203, Maetan Seongil APT., Maetan 4-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea
- 3) Jae-Yoel KIM of  
#1601-435, Samsung Raemian APT., Maetan 4-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea
- 4) Sung-Ryul YUN of  
#811-806, Byeokjeokgol 8-danji APT., Yeongtong-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea
- 5) Hak-Ju LEE of  
#110-1003, Shindonga APT., Sipjeong 2-dong, Bupyeong-gu, Incheon,  
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- 8) Dong-Min SHIN of  
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Republic of Korea
- 9) Kyung-Joong KIM of  
LG-416, San 31, Pohang University of Science and Technology, Hyoja-dong, Nam-gu,  
Pohang-si, Gyeongsangbuk-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:

**APPARATUS AND METHOD FOR TRANSMITTING AND  
RECEIVING DATA IN A COMMUNICATION SYSTEM USING  
LOW DENSITY PARITY CHECK CODES**

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: Hong-Sil JEONG**



Dated: August 28, 2008

WITNESSED: Chw

**Name of Second Inventor: Se-Ho MYUNG**



Dated: August 28, 2008

WITNESSED: Chw

**Name of Third Inventor: Jae-Yoel KIM**



Dated: August 28, 2008

WITNESSED: Chw

Name of Fourth Inventor: Sung-Ryul YUN

Signature  
Dated: August 28, 2008

WITNESSED: Clw

Name of Fifth Inventor: Hak-Ju LEE

Signature Lee  
Dated: August 28, 2008

WITNESSED: Clw

Name of Sixth Inventor: Kyeongcheol YANG

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Dated: August 28, 2008

WITNESSED: Clw

Name of Seventh Inventor: Hyeon-Koo YANG

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Signature of inventor  
Dated: August 28, 2008

WITNESSED: Clw

Name of Eighth Inventor: Dong-Min SHIN

Shin DM  
Signature of inventor  
Dated: August 28, 2008

WITNESSED: Clw

Name of Ninth Inventor: Kyung-Joong KIM

Signature Kim  
Signature of inventor  
Dated: August 28, 2008

WITNESSED: Clw