To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   KYUNG, Gyu-Bum
   JEONG, Hong-Sil
   KIM, Jae-Yoel
   PARK, Dong-Seek
   JOO, Pan-Yuh
   MYUNG, Se-Ho
   YANG, Kyeong-Cheol
   YANG, Hyun-Koo

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

3. Nature of conveyance:
   □ Assignment
   □ Merger
   □ Security Agreement
   □ Change of Name
   □ Other

Execution Date: 4/26/05

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: 4/26/2005

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: Paul J. Farrell, Esq.
   DILWORTH & BARRESE, LLP
   333 Earle Ovington Boulevard
   Uniondale, New York 11553
   U.S. PTO Customer No. 28249

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

8. Deposit account number: 04-1121

   (Attach duplicate copy of this page if paying by deposit account)

   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.

   Paul J. Farrell
   Name of Person Signing
   Signature
   Date: 4/28/05

   Total number of pages including cover sheet, attachments, and documents: 4
AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN
CONSIDERATION of the sum of TEN ($10 00) dollars or the equivalent thereof, and other good and
valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged,
I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:  Samsung Electronics Co., Ltd.

ADDRESS:  416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and
interest, in and for the United States of America and all other countries, including all rights of priority, in and
to the invention entitled:

TITLE:  APPARATUS AND METHOD FOR CODING/DECODING BLOCK LOW DENSITY
PARITY CHECK CODE WITH VARIABLE BLOCK LENGTH

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and
described in an application for a United States patent the specification of which is either attached hereto or
otherwise accompanies this Assignment or indicates an attorney docket no. 678-2030 (P12814), or is more
particularly identified as:

X executed on even date herewith, or
G Serial No. ____________ filed in the U.S. Patent & Trademark Office on ________.

or
G executed on ____________________________________.

and in and to all United States patents which may be granted thereon and therefore, and in and to all
certificates of corrections, divisions, continuations, continuation-in-part, reissued and re-examined patents,
and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held
and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other
legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said
patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by
me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which
may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution
of the above-named application or in the preparation and prosecution of any certificate of correction, division,
continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference
proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said
Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request
Peter G. Dilworth, Reg. No. 26,450 and Paul J. Farrell, Reg. No. 33,494, to insert on this Assignment any
further identification or to complete such identification which may be either necessary or desirable in order
to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent
facts and documents relating to said Invention and said Letters Patent and legal equivalents as may be
known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or
proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives
any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said
application, said invention and said Letters Patent and said equivalents thereof which may be necessary or
desirable to carry out the purposes thereof.
IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

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<th>INVENTOR(S)</th>
<th>Date Signed</th>
<th>Witness(es)</th>
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<td>April 26, 2005</td>
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<td>Hong-Sil JEONG</td>
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