

Form PTO 1595

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1. Name of conveying party(ies)
 Hwan-Joon KWON
 Ho-Kyu CHOI
 Young-Kwon CHO
 Chang-Hun BAE
 Woo-Sang HONG

03/19/02

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

2. Name and address of receiving party(ies)
 Name: SAMSUNG ELECTRONICS CO., LTD.
 Internal Address:
 Street Address: 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, KOREA
 City: _____ State: _____ Zip: _____
 Additional name(s) & address(es) attached? Yes No

jc972 U.S. PTO
 10/100873
 03/19/02

3. Nature of conveyance:
 Assignment
 Security Agreement
 Merger
 Change of Name
 Other _____
 Execution Date: March 18, 2002

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: March 18, 2002
 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.
 Internal Address: DILWORTH & BARRESE, LLP
 Street Address: 333 Earle Ovington Boulevard
 City: Uniondale State: New York Zip: 11553

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
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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.

Paul J. Farrell, Reg. No. 33,494 *Paul J. Farrell* March 19, 2002
 Name of Person Signing Signature Date

03/28/2002 LMUELLER 00000126 10100873
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Total number of pages including cover sheet, attachments and documents: 3

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ASSIGNMENT

DOCKET NO. 678-823 (P10174)

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, Paldal-gu, Suwon-city, Kyungki-do, KOREA

Who is my Assignee, and to the successores 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 SCRAMBLING A PACKET DATA CHANNEL AND A PACKET DATA CONTROL CHANNEL IN A MOBILE COMMUNICATION SYSTEM FOR HIGH-SPEED PACKET

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. 678-823 (P10174) _____, or is more particularly identified as:

- executed on even date herewith, or
- Serial No. _____ filed in the U.S. Patent & Trademark Office on _____, or
- executed on _____


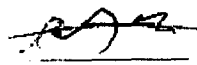
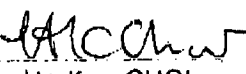
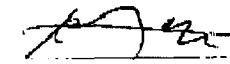

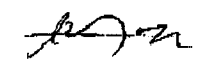
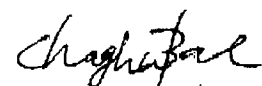
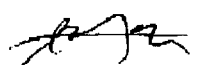
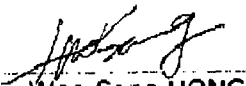
and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when 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:

	<u>INVENTOR(S)</u>		<u>Date Signed</u>	<u>Witness(es)</u>
1)	 Hwan-Joon KWON	(Seal)	<u>18 March 2002</u>	
2)	 Ho-Kyu CHOI	(Seal)	<u>18 March 2002</u>	
3)	 Young-Kwon CHO	(Seal)	<u>18 March 2002</u>	
4)	 Chang-Hun BAE	(Seal)	<u>18 March 2002</u>	
5)	 Woo-Sang HONG	(Seal)	<u>18 March 2002</u>	