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Attorney Docket No.: 678-184 (8561)

1. Name of conveying party(ies):

Jae-Min AHN                      Hee-won KANG  
Young-Ky KIM                    Felix Kwang-Wook YIE  
Soon-Young YOON                Seung-Hyun KONG

MRD  
1-27-99

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

Name: Samsung Electronics Co., Ltd.

Internal Address:

Street Address: 416, Maetan-dong, Paldal-gu  
Kyungki-do

City: Suwon-city

Country/State/Zip: KOREA

Additional names and addresses attached? [ ] yes [X] no

Additional name(s) of conveying party(ies) attached?  
[ ] yes [X] no

3. Nature of Conveyance

[X] Assignment                      [ ] Merger  
[ ] Security Agreement              [ ] Change of Name  
[ ] Other \_\_\_\_\_

Execution Date: 12/29/98

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 12/29/98;

A. Patent Application No.(s)  
N/A

B. Patent No.(s)  
N/A

Additional numbers attached? [ ] Yes [X] No

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

Name: Paul J. Farrell, Esq.

Internal Address: Dilworth & Barrese

Street Address: 333 Earle Ovington Boulevard

City: Uniondale State: NY ZIP: 11553

6. Total number of applications and patents involved:  
[1]

7. Total fee (37 C.F.R. 3.41) ..... \$ 40.00  
[X] 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.

Joseph W. Schmidt, Esq.  
Name of Person Signing  
Reg. No. 36,920

January 22, 1999

Signature Date

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PATENT  
REEL: 9712 FRAME: 0465

ASSIGNMENT

DOCKET NO. 678-184

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, Kyungki-do, Suwon-city, 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: METHOD FOR INSERTING POWER CONTROL BITS IN THE CDMA MOBILE SYSTEM

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. 678-184, or is more particularly identified as:

- checkbox executed on even date herewith, or
checkbox Serial No. 09/183,989 filed in the U.S. Patent & Trademark Office on November 2, 1998, or
checkbox 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 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.

PATENT
REEL: 9712 FRAME: 0466

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) <u><i>Jae-Min AHN</i></u> (Seal) <u>29 December 1998</u><br>Jae-Min AHN                   |                    | <u><i>Young-Ae PARK</i></u><br>Young-Ae PARK |
| 2) <u><i>Young-Ky KIM</i></u> (Seal) <u>29 December 1998</u><br>Young-Ky KIM                 |                    | <u><i>Young-Ae PARK</i></u><br>Young-Ae PARK |
| 3) <u><i>Soon-Young YOON</i></u> (Seal) <u>29 December 1998</u><br>Soon-Young YOON           |                    | <u><i>Young-Ae PARK</i></u><br>Young-Ae PARK |
| 4) <u><i>Hee-won KANG</i></u> (Seal) <u>29 December 1998</u><br>Hee-won KANG                 |                    | <u><i>Young-Ae PARK</i></u><br>Young-Ae PARK |
| 5) <u><i>Felix Kwang-Wook YIE</i></u> (Seal) <u>29 December 1998</u><br>Felix Kwang-Wook YIE |                    | <u><i>Young-Ae PARK</i></u><br>Young-Ae PARK |
| 6) <u><i>Seung-Hyun KONG</i></u> (Seal) <u>29 December 1998</u><br>Seung-Hyun KONG           |                    | <u><i>Young-Ae PARK</i></u><br>Young-Ae PARK |