09-09-1998 SHEET Form PTO-1595 U.S. DEPARTMENT OF COMMERCE August 31, 1998 Patent and Trademark Office TO THE HONORABLE COMMISSIC TO THE HONORABLE COMMISSIC 100824860 Please record the attached original documents or copy thereof. Attorney Docket No.: 678-164 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Jin Soo PARK Name: Samsung Electronics Co., Ltd. Additional name(s) of conveying party(ies) attached? Internal Address: [X] no [] yes Street Address: 416, Maetan-dong Kyungki-do 3. Nature of Conveyance [X] Assignment [] Merger City: Suwon-city [] Security Agreement [] Change of Name Other [Country/State/Zip: Korea Execution Date: August 28, 1998 Additional names and addresses attached? [] yes [X] 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, 1998; A. Patent Application No.(s) B. Patent No.(s): N/A N/A Additional numbers attached? [] Yes [X] No 5. 6. Total number of applications and patents involved: Name and address of party to whom correspondence concerning document should be mailed: Name: Paul J. Farrell, Esq. 7. Total fee (37 C.F.R. 3.41) \$ 40.00 Internal Address: Dilworth & Barrese [X] Enclosed [] Authorized to be charged to deposit account Street Address: 333 Earle Ovington Boulevard 8. Deposit account number: 04-1121 City: Uniondale State: NY __ ZIP: <u>11553</u> (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. August 31, 1998 John G. Tutuniian, Esq. Name of Person Signing Reg. No. 39,405 Total number of pages including cover sheet, attachments and document [3] OMB No. 0651-0011 (exp. 4/84) do not detach this portion Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents and Trademarks 8 **Box Assignments** Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, 🗟 to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503. 3 9/09/1998 JUNTKINS

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DOCKET NO. 678-164

ASSIGNMENT

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 Assigned is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 416, Maeian-dong, Paldal-gu, Suwon-city, Kyungki-do, 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:

SMART ANTENNA RECEIVER USING PILOT SIGNAL IN CDMA MOBILE TITLE: COMMUNICATION SYSTEM AND SIGNAL RECEIVING METHOD THEREFOR

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 is more particularly identified as:

| X | executed on even date herewith, or | | | | | |
|--|--|--|--|--|--|--|
| | Serial No filed in the U.S. Patent & Trademark Office on, | | | | | |
| | or | | | | | |
| all cer examir patent my As terms, fully ar | and to all United States patents which may be granted thereon and therefore, and in and to ufficates of corrections, divisions, continuations, continuations-in-part, reissued and remed patents, and to any extensions thereof, said interest being the entire ownership of the when-granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., signee, its successors, assigns or other legal representatives, to the full end of the term, or any extension or renewal thereof, for which said patent or patents may be granted, as and entirely as the same would have been held and enjoyed by me or us if this assignment, 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, reexamination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the fitle 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 Frank Chau. Reg. No. 34 136, 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.

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PATENT REEL: 9429 FRAME: 0750 IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

| | INVENTOR(S) | | Date Signed | | | Wilness (es) | | |
|------|--------------|--------|-------------|--------|------------|--------------|------|--|
| 1). | Jin-Sop PARK | (Seal) | | August | 1998 | Young-Ae | PARK | |
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