
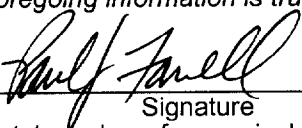
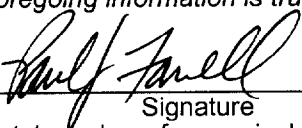
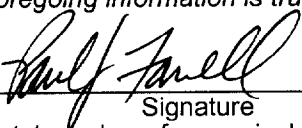


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Form PTO-1595 December 14, 1999	RE 01-07-2000 	EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
TO THE HONORABLE COMMISSION Please record the attached original document		101240597 Attorney Docket No.: 678-365			
1. Name of conveying party(ies): Je-Woo Kim Chang-Soo Park Jung-Hye Woo Jae-Min Ahn Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	2. Name and address of receiving party(ies): Name: Samsung Electronics Co., Ltd. Internal Address: Street Address: 416, Maetan-ong, Bldg. 8, Kyungki-do City: Suwon-city Country/State/Zip: Korea Additional names and addresses attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no				
3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>10/20/99</u>					
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 __; <table style="width:100%;"> <tr> <td style="width:50%;"> A. Patent Application No.(s) <u>09/407,537</u> </td> <td style="width:50%;"> B. Patent No.(s): <u>N/A</u> </td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			A. Patent Application No.(s) <u>09/407,537</u>	B. Patent No.(s): <u>N/A</u>	
A. Patent Application No.(s) <u>09/407,537</u>	B. Patent No.(s): <u>N/A</u>				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Paul J. Farrell, Esq.</u> Internal Address: <u>Dilworth & Barrese</u> Street Address: <u>333 Earle Ovington Boulevard</u> City: <u>Uniondale</u> State: <u>NY</u> ZIP: <u>11553</u>	6. Total number of applications and patents involved: <u>[1]</u> 7. Total fee (37 C.F.R. 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>04-1121</u> (Attach duplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i> <table style="width:100%;"> <tr> <td style="width:35%;"> <u>Paul J. Farrell, Esq.</u> Name of Person Signing Reg. No. 33,494 </td> <td style="width:35%; text-align: center;">  Signature </td> <td style="width:30%; text-align: right;"> <u>December 14, 1999</u> Date </td> </tr> </table> Total number of pages including cover sheet, attachments and document [3]			<u>Paul J. Farrell, Esq.</u> Name of Person Signing Reg. No. 33,494	 Signature	<u>December 14, 1999</u> Date
<u>Paul J. Farrell, Esq.</u> Name of Person Signing Reg. No. 33,494	 Signature	<u>December 14, 1999</u> Date			
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 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, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.					

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PATENT
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ASSIGNMENT

DOCKET NO.678-365 (P8940)

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 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: DEVICE AND METHOD FOR GENERATING SPREADING CODE AND SPREADING CHANNEL SIGNALS USING SPREADING CODE IN A CDMA COMMUNICATION 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. 678-365 (P8940), or is more particularly identified as:

☐ executed on even date herewith, or
☒ Serial No. filed in the U.S. Patent & Trademark Office on September 29, 1999, or
☐ executed on

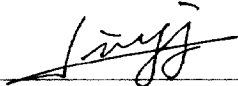
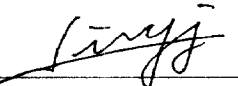
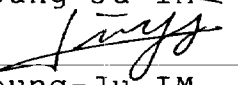
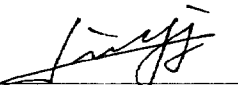
and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when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

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:

	INVENTOR(S)		Date Signed		Witness(es)
1)	<u>Je-Woo KIM</u> Je-Woo KIM	(Seal)	<u>October 20, 1999</u>		<u></u> Young-Ju IM
2)	<u>Jung-Hye WOO</u> Jung-Hye WOO	(Seal)	<u>October 20, 1999</u>		<u></u> Young-Ju IM
3)	<u>Chang-Soo PARK</u> Chang-Soo PARK	(Seal)	<u>October 20, 1999</u>		<u></u> Young-Ju IM
4)	<u>Jae-Min AHN</u> Jae-Min AHN	(Seal)	<u>October 20, 1999</u>		<u></u> Young-Ju IM
5)	_____	(Seal)	_____		_____
6)	_____	(Seal)	_____		_____