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Additional name(s) of conveying party(ies) attached? [] yes [x] no	City: Suwon-city Country/State/Zip: Kyungki-do, KOREA
3. Nature of Conveyance [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: April 24, 2003	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 appl	lication, the execution date of the application is
A. Patent Application No.(s)	B. Patent No.(s):
10/423,560 filed April 25, 2003	
Additional numbers at	l tached? [] Yes [X] No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]
Name: Paul J. Farrell, Esq.	7. Total fee (37 C.F.R. 3.41)
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Street Address:333 Earle Ovington BoulevardCity:UniondaleState:NYZIP:11553	8. Deposit account number: <u>04-1121</u> (Attach duplicate copy of this page if paying by deposit account)
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Paul J. Farrell Esg.	12 November 2003
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1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Ki-Ho JUNG Heung-Gyooun RYU 4-25-53 Ssung-Ryul YUN	Name: Samsung Electronics Co., Ltd. و م Street Address: 416, Maetan-dong, Paldal-gu, و سلام
Additional name(s) of conveying party(ies) attached [] yes [x] no	City: Suwon-city d? Country/State/Zip: Kyungki-do, KOREA
3. Nature of Conveyance [X] Assignment []	Additional names and addresses attached? [] yes [x] no
Merger [] Security Agreement [] Chang of Name [] Other Execution Date: April 24, 2003	• COPY
4. Application number(s) or patent number(s):	
	1 - 423560 application, the execution date of the application is <u>04/24/03</u>
A. Patent Application No.(s)	B. Patent No.(s):
Additional number	's attached? [] Yes [X] No
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	PATENT

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 hereinefter 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 Amarica and all other countries, including all rights of priority, in and to the invention antitled:

TITLE: APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING SIDE INFORMATION OF A PARTIAL TRANSMIT SEQUENCE IN AN OFDM 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.678-1154 (P10899) ______, or is more particularly identified as:

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 edministrative 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 <u>Peter G. Dilworth, Reg. No. 26,450 and Paul J. Farrell, Reg. No. 33,494</u>, 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: 014691 FRAME: 0237

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 aquivalents 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:

Date Signed

(Seal) X4 April 2003 Ki-Ho JUNG ng-Gyorn Kill 24 April 203 HVOOUN R

Sung-Ryul Yun (Seal) ZA April 2003 Sung-Ryul YUN 3)

INVENTOR(S)

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2)

Witness(es)

RECORDED: 11/14/2003