WE WA		05-15-2008 U.S. DEPARTMENT OF CO	>MMERCE
MAY 0.9 2008	To the state of th	Name of conveying party(ies): Tae Soo KWON Kyung Hun JANG In Sun LEE Youngsoo KIM Hyo Sun HWANG Tae In HYON	f.
S S	2.	Name and Address of receiving party(ies):	
5.5.08		SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea	
	3.	Nature of conveyance:  X	
	4.	Application number(s) or patent number(s):  This document is being filed together with a new application:  (a) The execution date(s) of the application is/are:  (b) The title is: MOBILE SYSTEM AND BASE STATION SYSTEM FOR EFFECTIVELY USING LICENSED SPECTRUM AND SHARED SPECTRUM OR  This document is being filed after filing of the application:  (a) Patent Application No(s). 12/116,438, filed May 7, 2008; or  (b) Patent No(s)., issued.	
	5.	Name and address of party to whom correspondence concerning document should be mailed: STEIN, MCEWEN & BUI, LLP Our Docket: 0040.1081  Attention: Michael D. Stein 1400 Eye St., N.W., Suite 300 Washington, D.C. 20005	
	6.	Total number of applications and patents involved:1	
	7.	Total fee (37 CFR 3.41)(\$ 40.00 per Patent or Application in Assignment)  ☐ Enclosed ☐ Authorized to be charged to Deposit Account No. 503333.	
	8.	Deposit Account No. 503333: (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)	(
		ael D. Stein, Reg. No. 37,240 e of Person Signing  Signature  July Diff Signature  July Diff Date	: 1.88 (31)
		Total number of pages including cover sheet	: 2

PATENT REEL: 020962 FRAME: 0489

Attorney Docket No.:
U.S. ASSIGNMENT
r (\$1.00), and of other good and valuable consideration paid to the undersigned
LTD.
h is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and e right, title and interest to the invention entitled
TATION SYSTEM FOR EFFECTIVELY USING LICENSED SPIRUM
/JP/and/or for which application for Letters Patent of the United States so executed, was:
(Insert date of execution of application, if not concurrent)
Any registered attorney of STEIN, MCEWEN & BUI, LLP, 1400 Eye St., N.W., Suite 300, Washington, D.C. 20005 (202/216-9505) is hereby authorized to insert in (b) the specified data, when known.
of the United States granted on said application and any continuation, division, renewal a based thereon, for the full term or terms for which the said Letters Patent(s) may be collectively, hereinafter, "said application(s) and Letters Patent(s)").
rested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE necessary, desirable or expedient, for securing, maintaining and enforcing protection for diprosecution of said application(s) and the issuance of said Letters Patent(s), in any use proceeding, and in any litigation or other legal proceeding which may arise or be lude but not be limited to executing all papers, including separate assignments and sworm testimony, and obtaining and producing evidence.
entor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
April 29, 2008
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## SMB 12/04 IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good inventor(s) (hereinafter, "ASSIGNOR") by SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, to transfers to ASSIGNEE the entire and exclusive right, title and Interest to the MOBILE SYSTEM AND BASE STATION SYSTEM FO **ECTRUM AND SHARED SPECTRUM** relating to International Patent Application PCT/JP was executed on even date herewith or, if not so executed, was: (a) executed on ; (Insert date o (b) filed on, Any registere St., N.W., Sur Application No. Not yet assigned; hereby autho and to said application and all Letters Patent(s) of the United States granted substitute, reissue or reexamination application based thereon, for the full ! granted and including any extensions thereof (collectively, hereinafter, "said The ASSIGNOR agree(s), when requested by said ASSIGNEE at to do all acts which the ASSIGNEE may deem necessary, desirable or expesaid invention, including in the preparation and prosecution of said applic interference, reissue, reexamination, or public use proceeding, and in any declared in relation to same, such acts to include but not be limited to a declarations, taking all rightful oaths, providing sworn testimony, and obtain IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed h (Typed Name & Signature of Inventor(s)) April 29, 2008 April 29, 2008 April 29, 2008

April 29, 2008

April 29, 2008

April 29, 2008

PATENT **RECORDED: 05/09/2008** REEL: 020962 FRAME: 0490