	FORM PTO-1595 I 08-19-200	D8 EET U.S. DEPARTMENT OF COMMERCE							
	Patent and Trademark Office								
	To the Honorable Commissioner of Patents 10352036								
82418	 Name of conveying party: JIANZHONG ZHANG CORNELIUS VAN RENSBURG FAROOQ KHAN YINONG DING Additional name(s) of conveying party(ies) attached? 	 Name and address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD., a corporation chartered in and existing under the laws of the Republic of Korea 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-370, Republic of KOREA 							
	3. Nature of conveyance	Additional name(s) & addresses attached? □ Yes ⊠ No							
Ì	4. Application number(s) or Patent number(s):	• • • • • • • • • • • • • • • • • • • •							
	If this document is being filed together with a new application, the exe	cution of the application is:							
	A. Patent Application No.(s)	B. Patent No.(s)							
ļ	12/155,319								
	Additional number(s) attack	Additional number(s) attached? □ Yes ⊠ No							
	5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total Number of applications and patents involved: <u>ONE</u>							
	Name: Robert E. Bushnell Attorney at Law Suite 300, 1522 "K" Street, N.W.	 7. Total fee (37 CFR § 3.41) \$ U.S. \$40.00 ☑ Enclosed □ Authorized to be charged to deposit account 							
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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. Robert E. BUSHNELL Image: Comparison of the original signature Name of Person Signing Signature Signature Image: Comparison of the original 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 14, 2008 Date Total number of pages comprising cover sheet: THREE								
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I	REB/sb (P58463)								

PATENT REEL: 021414 FRAME: 0895

DOCKET No. P58463

ASSIGNMENT (Page One of Two)

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:

SAMSUNG ELECTRONICS CO., LTD., ASSIGNEE:

a corporation chartered in and existing under the laws of the Republic of Korea.

416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-370, Republic of Korea ADDRESS:

Who is my Assignee, and to the successors 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:

TRANSMIT METHODS WITH DELAY DIVERSITY AND TITLE: SPACE-FREQUENCY DIVERSITY

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:

\Box	executed on even date herewith	, Of				
X	Serial No. 12/155,319	filed in the U.S. Patent & Trademark Office on	2	June	2008	, 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 Assignce, 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, without receiving any money or other consideration, 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 all substitute applications, certificate of correction, division, continuation, inpart, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property. Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

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

INVENTOR(s)

(Seal) 1) JÍANZHONG ZHANG

(Seal) CORNELIUS VAN RENSBURG

Date Signed

6/2/08



Additional inventors are being named on separately numbered sheets attached hereto.

44/10/1995 R.E. BUSHNELL

PATENT REEL: 021414 FRAME: 0896

DOCKET No. <u>P58463</u>

ASSIGNMENT (Page Two of Two)



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6/2/2002

∆ 4/10/1996 R E. BUSHNELL

RECORDED: 08/14/2008