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Client Code: SAMINF.146A

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PATENT

Filing Date: Herewith

Application No.: Unknown

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PATENT

## **ASSIGNMENT**

WHEREAS, We, Pengfei Xia, a People's Republic of China citizen, residing at 2005 California Street, Apt. 25, Mountain View, CA 94040, and Chiu Ngo, United States of America, 227 Monticello Street, San Francisco, CA 94132, have invented certain new and useful improvements in a SYSTEM AND METHOD FOR PSEUDORANDOM PERMUTATION FOR INTERLEAVING IN WIRELESS COMMUNICATIONS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Samsung Electronics Co., Ltd. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at 416 Maetan-3Dong, Yeongtong-Gu, Suwon, Kyungki-Do 448-742, Korea, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). 61/023,814, filed January 25, 2008 (respectively if plural applications)), and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

PATENT REEL: 021780 FRAME: 0223

Application No.: Unkno	WΠ	Client Code	PATENT SAMINF.146A Page 2
O COLLECTIONY	′ WHEREOF, I hereunto	set my hand and seal this	
		Reny A	0
STATE OF	) } ss.		
COUNTY OF	ss.		
the person(s) whose na me that he executed th	ame(s) is/are subscribed to ne same in his authorized	ne on the basis of satisfactor o the within instrument, and a capacity(ies), and that by his pehalf of which the person(s)	acknowledged to s signature(s) on
l certify under F the foregoing paragrapt		under the laws of the State of	of California that
WITŅESS my h	and and official seal.		
[SEAL]		Notary Signature	

PATENT REEL: 021780 FRAME: 0224

Application No.: Unknown Filing Date: 'Herewith	PATENT Client Code: SAMINF.146A Page 3
IN TESTIMONY WHEREOF, I hereunto <u>October</u> , 20 <i>08</i> .	set my hand and seal this 30 <sup>th</sup> day of
STATE OF	
COUNTY OF ss.	
On, before me,	to the within instrument, and acknowledged to I capacity(ies), and that by his signature(s) on
[SEAL]	Notary Signature

6158153/vcl 102908

**RECORDED: 11/03/2008** 

PATENT REEL: 021780 FRAME: 0225