

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Huai-Rong Shao	01/11/2008
Harkirat Singh	01/14/2008
Xiangping Qin	01/10/2008
Chiu Ngo	01/11/2008
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416, Maetan-3Dong, Yeongtong-Gu
City:	Suwon City, Gyeonggi-Do
State/Country:	REPUBLIC OF KOREA
Postal Code:	443-742
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12014663
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NAME OF SUBMITTER:	Michael Zarrabian, Reg. No. 39,886

Total Attachments: 3

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**PATENT
 REEL: 020368 FRAME: 0272**

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ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS: Huai-Rong SHAO, 1135 Harrison Street, Apt. 6, Santa Clara, California 95050 U.S.A., Harkirat SINGH, 1940 Don Avenue #1, Santa Clara, California 95050 U.S.A., Xiangping QIN, 330 Elan Village Lane, Apt. 301, San Jose, California 95134 U.S.A. and Chiu NGO, 227 Monticello Street, San Francisco California 94132 U.S.A., hereinafter referred to as ASSIGNORS, has made a discovery or invention entitled:

**METHOD AND SYSTEM FOR WIRELESS COMMUNICATION
USING OUT-OF-BAND CHANNELS**

- for which application for Letters Patent of the United States has been executed on even date herewith,
- for which application for Letters Patent of the United States has been filed on _____, under Serial No. _____ and _____

WHEREAS: SAMSUNG ELECTRONICS CO., LTD., a Korean corporation, located at 416, Maetan-3Dong, Yeongtong-Gu, Suwon City, GYEONGGI-DO 443-742, KOREA (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

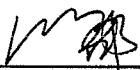
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.


We, said ASSIGNORS, hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

WE, said ASSIGNORS, hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over; AND

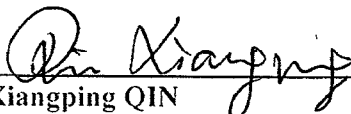
We, said ASSIGNORS hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's signature:  Dated: 1/11/2008
Huai-Rong SHAO

Citizenship: People's Republic of China

Assignor's signature:  Dated: 1/14/2007
Harkirat SINGH

Citizenship: India

Assignor's signature:  Dated: 1/10/08
Xiangping QIN

Citizenship: People's Republic of China

