


Client Code: SAMINF.173A/ARL08-WN11 **RECORDATION FORM COVER SHEET**
PATENTS ONLY

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>a) Harkirat Singh b) Xiangping Qin c) Chiu Ngo</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Samsung Electronics Co., Ltd. Address: 416 Maetan-Dong, Paldal-Gu Suwon City, Kyungki-Do Korea</p> <p>Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>a) January 16, 2009 b) January 21, 2009 c) January 16, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 12/357,360 Filing Date: January 21, 2009</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 70,590 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SAMINF.173A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>John M. Carson</u> Name of Person Signing</p> <p> Signature</p> <p><u>1/23/09</u> Date</p> <p>34,303 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 5</p>	

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ASSIGNMENT

WHEREAS, We, Harkirat Singh, an Indian citizen, residing at 1940 Don Avenue #1, Santa Clara, CA 95050; Xiangping Qin, a P.R. China citizen, residing at 1230 Lincoln Drive, MC 8603, Carbondale, Illinois 62901; and Chiu Ngo, a U.S. citizen, residing at 227 Monticello Street, San Francisco, CA 94132; have invented certain new and useful improvements in a SYSTEM AND METHOD FOR CHANNEL ACCESS IN DUAL RATE WIRELESS NETWORKS for which we caused to be filed an application for Letters Patent in the United States; and we hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, Customer No. 70,590, to insert here in parentheses (Application Number 12/357,360, filed January 21, 2009) the filing date and application number of said application when known;

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

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, said inventors do hereby acknowledge that we 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 and all provisional applications relating thereto, (including but not limited to U.S. Provisional Application No. 61/081,005, filed July 15, 2008), 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 we 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, its 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.

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14th day of
Jan 2009



Harkirat Singh

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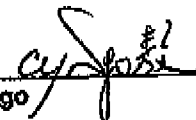
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21st day of
January, 2009.

/Xiangping QIN/
Xiangping Qin

Application No.: 12/357,360
Filing Date: January 21, 2009

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16th day of January, 2009.



Chiu Ngo

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