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RECORD



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To the Director of the U.S. Patent and Trademark Office

(s) or the new address(es) below:

1. Name of conveying party(ies): Gilles CHARBIT Tao CHEN Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Renesas Mobile Corporation Address: 6-2, Otemachi 2-chome Chiyoda-ku City: Tokyo State: ZIP Code: 100-0004 Country: Japan Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date(s): June 6, 2011, July 7, 2011 respectively			
4. Application number(s) or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s): 13/274,800 B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Jerry Stanton, Esq. Address: Harrington & Smith, Attorneys At Law, LLC 4 Research Drive, Suite 202 City: Shelton State: CT ZIP Code: 06484-6212		6. Total number of applications and/or patents involved: ..... 1 7. Total fee (37 CFR 3.41): .....\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account	
		8. Deposit account number: <u>50-1924</u>	
9. Signature: <i>If this is a new cover sheet to correct an error in a recorded document, the information provided on this new cover sheet is true and correct and any copy submitted is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <u>Jerry Stanton</u>            Name of Person Signing         </div> <div>             Signature         </div> <div> <u>Nov 10, 2011</u>            Date         </div> </div> <div style="text-align: right; margin-top: 10px;">         Total number of pages including cover sheet(s), attachments and documents: <u>14</u>          Page 1 of 4       </div>			

## ASSIGNMENT

<b>Title of Invention</b>	Frequency Hopping In License-Exempt/Shared Bands		
<b>Filing Details</b>	This assignment is directed to (check all that apply) :		
	<input type="checkbox"/> US Provisional Application No. _____	Filed On	_____
	<input type="checkbox"/> US Application No. _____	Filed On	_____
	<input type="checkbox"/> Which is a 371 national stage of _____	Filed On	_____
	<input checked="" type="checkbox"/> United Kingdom Patent Application <u>1109289.7</u>	Filed On	<u>2 June 2011</u>
	<input type="checkbox"/> PCT Application No. _____	Filed On	_____

As the below named inventor(s), I/we have invented certain improvements in the patent application for which I/we have filed an application for Letters Patent of the United States of America / United Kingdom Patent Application / 371 National Stage Application / PCT Application as identified above;

WHEREAS, I/we authorize the attorney of record to update this document to include Filing Details as listed above (i/e., filing date, serial number, etc.) to correspond to the Title of the Invention and Docket Number if such Filing Details are not available at the time I/we signed this document;

WHEREAS, RENESAS MOBILE CORPORATION, a corporation organized under the laws of Japan, having its principal office in Tokyo, Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and under the said invention and the said application, and in and to any and all Letters Patent which shall be granted therefore in any and all countries where it has been filed, including all rights to claim priority, and to any and all improvements which are disclosed in the invention entitled.

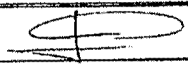
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under said invention, and said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of any and all countries which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the any official of any country or countries, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.


AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or 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 invention in all countries.

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Inventor Signature

Dated: 2-06-2011

  
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Dated: 07/07/2011

Min Wang  
Witness Signature

Witness Name: MIN WANG