PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------|----------------|
| Wendong Hu | 05/29/2008 |

RECEIVING PARTY DATA

| Name: | STMicroelectronics, Inc. | |
|-----------------|--------------------------|--|
| Street Address: | 1310 Electronics Drive | |
| City: | Carrollton | |
| State/Country: | TEXAS | |
| Postal Code: | 75006-5039 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12129565 |

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ATTORNEY DOCKET NUMBER: 07-S-073

NAME OF SUBMITTER: Peter J. Meza

Total Attachments: 3 source=DOC148#page1.tif source=DOC148#page2.tif source=DOC148#page3.tif

> PATENT REEL: 021021 FRAME: 0184

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| FORM PTO-1595 (Rev. 08/05) Office | RECORDATION FORM COVER SHEET U.S. Department of Commerce U.S. Patent and Trademark | |
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| OMB No. 0651-0027 (exp.6/30/2008) | PATENTS O | ONLY |
| To the Director of the U.S | Patent and Trademark Office: Ple | ease record the attached documents or the new address(es) below. |
| 1. Name of conveying party(ies)/ | Execution Date(s): | 2. Name and address of receiving party(ies) |
| Wendong Hu - Execution Date | »: 05/29/2008 | STMicroelectronics, Inc. 1310 Electronics Drive Carrollton, TX 75006-5039 |
| Additional name(s) of conveying party(ies) attach | ned? Yes No | Additional name(s) & address(es) attached? Yes No |
| 3. Nature of conveyance Assignment Security Agreement Joint Research Agreement Government Interest Assig Executive Order 9424, Con Other | nment infirmatory License | |
| 4. Application or patent number(s | s): \square Th | his document is being filed together with a new application. |
| A. Patent Application No.(s) | ļ | B. Patent No.(s) |
| Attorney Docket No.: 07-S-07 | 3 | |
| | Additional numbers atta | ached? Yes No |
| 5. Name and Address to whom co document should be mailed: | orrespondence concerning | 6. Total number of applications and patents involved: 1 |
| Name: William J. Kubida Internal Address: Hogan & Ha One Tabor 1200 17th Street Address: same as a City: Denver State: CO Phone Number: 719-448-5909 Fax Number: 719-448-5922 Email Address: PatentColorad | r Center Street, Suite 1500 above Zip: 80202 | 7. Total fee (37 CFR 1.21(h) & 3.41) |
| | | 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit account number50-1123 Authorized User Name |
| 9. Signature : Sig | Total number of | $\frac{5/29/08}{\text{Date}}$ If pages including cover sheet, attachments and document: 3 |

PATENT EFS-Web Attorney Docket No. 07-S-073 Client/Matter No. 80408.0170

ASSIGNMENT

WHEREAS, I, Wendong Hu, having a residence address of 1847 Sterling Landing, San Jose, CA 95131, have made a certain new and useful invention relating to a CROSS CHANNEL COEXISTENCE BEACONING PROTOCOL FOR WIRELESS DYNAMIC SPECTRUM ACCESS NETWORKS, for which I am making or have made application for Letters Patent of the United States, said application being identified by Hocket No. 07-S-073 and Client/Matter No. 80408.0170, in the law firm of HOGAN & HARTSON LLP, One Tabor Center, 1200 17th Street, Suite 1500, Denver, Colorado 80303, and which was executed on 29 May 2008 and assigned serial no. 12 120665.

WHERMAS, I now own the entire right, title and interest therein; and

WHEREAS, STMicroelectronics, Inc., hereinafter ASSIGNEE, a Delaware corporation, whose post office address is 1810 Electronics Drive, Carrollton, TX 75006, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor

NOW THEREPORE, upon consideration of my employment and other good and valuable consideration, the adequacy of which is hereby acknowledged, I do hereby sell and assign unto ASSIGNEE, and ASSIGNEE's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both of the United States and of other countries, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, I do hereby covenant and agree with ASSIGNEE that I will not execute any writing or do any act whatsoever conflicting with this assignment, and that I will, at

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any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, execute such additional assignments and other writings and do such additional acts as ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renowal, referred or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, cortificates, or patents, by giving testimony in any proceedings or transactions involving such applications, certificates, or patents, and by executing proliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall hind, and inure to the benefit of, the assigns and legal representatives of both parties.

The undersigned inventors hereby grant the patent practitioners associated with Customer No. 30420 the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my scal on the date hereinafter set forth.

Date: May 29, 2008

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