

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Liwen Chu</td> <td>04/16/2012</td> </tr> <tr> <td>George A. Vlantis</td> <td>04/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Liwen Chu	04/16/2012	George A. Vlantis	04/16/2012
Name	Execution Date						
Liwen Chu	04/16/2012						
George A. Vlantis	04/16/2012						
RECEIVING PARTY DATA							
Name:	STMicroelectronics, Inc.						
Street Address:	750 Canyon Drive, Suite 300						
Internal Address:	Mail Station 2346						
City:	Coppell						
State/Country:	TEXAS						
Postal Code:	75019						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13448260</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13448260		
Property Type	Number						
Application Number:	13448260						
CORRESPONDENCE DATA							
Fax Number:	4254551046						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Correspondent Name:	Paul F. Rusyn						
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ATTORNEY DOCKET NUMBER:	1678-102-05						
NAME OF SUBMITTER:	Paul F. Rusyn						
Total Attachments: 3 source=1678-102-05 Executed Assignment 10-30-12#page1.tif source=1678-102-05 Executed Assignment 10-30-12#page2.tif source=1678-102-05 Executed Assignment 10-30-12#page3.tif							

CH \$40.00 13448260

## ASSIGNMENT

WHEREAS we, Liwen CHU and George A. VLANTIS (hereinafter "ASSIGNORS"), having mailing addresses of 5639 Lysander Way, San Ramon, CA 94582; and 1117 Kelsey Drive, Sunnyvale, CA 94087, respectively, are the joint inventors of the invention(s) disclosed in an application for United States letters patent entitled, FAST SESSION TRANSFER FROM ONE WIRELESS FREQUENCY BAND TO ANOTHER FREQUENCY BAND, which application is filed herewith;

WHEREAS, STMicroelectronics, Inc. (hereinafter "ASSIGNEE"), a juristic entity of the United States, having a principle place of business at 750 Canyon Drive, Suite 300, Mail Station 2346, Coppel, TX 75019, is desirous of acquiring the entire right, title, and interest in and to the invention(s), application(s), and/or any letters patent(s) that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title, and interest in and to said invention(s), said application(s), including any and all nonprovisional application(s) for letters patent claiming priority thereto, and any and all letters patent(s) which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisional, reissue, continuation, continuation-in-part, and substitute application(s) thereof, including the right to file any foreign application(s) directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application(s) to which said foreign application(s) are entitled by virtue of international convention, treaty, or otherwise, said invention(s), application(s) and any and all letters patent(s) granted therefor to be held and enjoyed by ASSIGNEE, its successors, and assigns as fully and entirely as same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made;

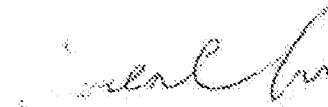
ASSIGNORS hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent(s) on said invention(s) to ASSIGNEE;

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made which would conflict with this assignment;

ASSIGNORS further transfer and assign to ASSIGNEE all causes of action, rights, and remedies arising under any such application(s) for United States and/or foreign letters patent(s) on said invention(s) prior to or after the effective date of this Assignment; and

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for any and all application(s) for United States and/or foreign letters patent(s) on said invention(s), for litigation regarding any and all application(s) and/or letters patent(s), and/or for the purpose of protecting title to said invention(s), application(s), and/or letters patent(s) therefor.

ASSIGNEE'S counsel is authorized to insert the official filing date and/or application serial number information when it becomes available.

  
\_\_\_\_\_  
Liwen CHU

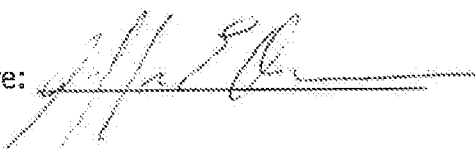
04/16/2012  
\_\_\_\_\_  
DATE

I hereby declare that I was personally present and did see Liwen CHU, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this 16 day of April, 2012 of his/her own free will for the purpose expressed therein at the following location:

Santa Clara, CA

WITNESS

Name: Jefferson E. Owens

Signature: 

George A. Vlantis  
George A. VLANTIS

4/16/2012  
DATE

I hereby declare that I was personally present and did see George A. VLANTIS, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this 16 day of April, 2012, of his/her own free will for the purpose expressed therein at the following location:  
Santa Clara, CA

WITNESS

Name: JEFFERSON B. OWEN

Signature: [Handwritten Signature]