

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hong-Xia Sun</td> <td>12/18/2009</td> </tr> <tr> <td>Kai-Feng Wang</td> <td>12/18/2009</td> </tr> <tr> <td>Peng-Fei Zhu</td> <td>12/18/2009</td> </tr> <tr> <td>Yong-Qiang Chris Wu</td> <td>12/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hong-Xia Sun	12/18/2009	Kai-Feng Wang	12/18/2009	Peng-Fei Zhu	12/18/2009	Yong-Qiang Chris Wu	12/18/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>STMICROELECTRONICS (BEIJING) R&D CO. LTD.</td> </tr> <tr> <td>Street Address:</td> <td>12 B/F, YINGU BLDG.</td> </tr> <tr> <td>Internal Address:</td> <td>NO. 9 NW THE 4TH RING RD., HAIDIAN</td> </tr> <tr> <td>City:</td> <td>BEIJING</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>100080</td> </tr> </table>		Name:	STMICROELECTRONICS (BEIJING) R&D CO. LTD.	Street Address:	12 B/F, YINGU BLDG.	Internal Address:	NO. 9 NW THE 4TH RING RD., HAIDIAN	City:	BEIJING	State/Country:	CHINA	Postal Code:	100080
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CORRESPONDENCE DATA													
<p>Fax Number: (301)668-3074</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: paula@levequeip.com</p> <p>Correspondent Name: STMICROELECTRONICS INC.</p> <p>Address Line 1: MS 2346</p> <p>Address Line 2: 1310 ELECTRONICS DRIVE</p> <p>Address Line 4: CARROLLTON, TEXAS 75006</p>													
ATTORNEY DOCKET NUMBER:	07-BJ-142												
NAME OF SUBMITTER:	Renee' Michelle Leveque												

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PATENT
REEL: 023694 FRAME: 0129

Total Attachments: 3

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ASSIGNMENT

WHEREAS, we, the undersigned, have invented certain new and useful improvements in the following:

**POWER EFFICIENT SYSTEM FOR RECOVERING AN ARCHITECTURE REGISTER
MAPPING TABLE**

for which we have made application for United States Letters Patent, the said application having been executed on December 18, 2009;

WHEREAS, STMicroelectronics (Beijing) R&D Co. Ltd., a corporation organized and existing under the laws of the P.R. China, having its principal place of business at 12 B/F, Yin Gu Building, No. 9 Northwest the Fourth Ring Road, Hai Dian District, Beijing 100080, P.R. China (hereinafter referred to as "ASSIGNEE"), are desirous of acquiring the entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patent and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of the entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and allow our attorneys to insert herein the said application execution date(s), the serial number, and/or filing date of said application now identified as Case Docket No. 06-SIN-088 as soon as the same shall have been made known to them by the United States Patent Office.

Serial Number: _____

Filing Date: _____

IN WITNESS WHEREOF, we execute this assignment on the dates indicated below.

Inventor's Signature: Hong-Xia Sun Date: Dec-18, 2009

Inventor's Name: Hong-Xia Sun

Address: Room 08, 12 B/F, Yingu Building, No. 9 Northwest the Fourth Ring Road,
Haidian District, Beijing 100190, P.R. China

Inventor's Signature: Kai-Feng Wang Date: Dec-18, 2009

Inventor's Name: Kai-Feng Wang

Address: Shang Di Dong Li, 3 section No. 3 Building 101 Room, Haidian Qu, Beijing,
P.R. China

Inventor's Signature: Pengfei ZHU Date: 2009-12-18

Inventor's Name: Peng-Fei Zhu

Address: No. 7 Building, Peking University, Qinghua North Road, Haidian District,
Beijing, P.R. China

Inventor's Signature: Yongqiang Wu Date: 18-Dec-09

Inventor's Name: Yong-Qiang (Chris) Wu

Address: Apartment 2-0107, JianXiangYuan, No. 209 the Middle-North Ring Road,
Haidian District, Beijing, P.R. China