

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>HK LOOI</td> <td>09/25/2012</td> </tr> <tr> <td>CHENGHAI CHEH</td> <td>09/25/2012</td> </tr> <tr> <td>HAIKIN TOH</td> <td>09/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	HK LOOI	09/25/2012	CHENGHAI CHEH	09/25/2012	HAIKIN TOH	09/25/2012
Name	Execution Date								
HK LOOI	09/25/2012								
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HAIKIN TOH	09/25/2012								
RECEIVING PARTY DATA									
Name:	STMICROELECTRONICS ASIA PACIFIC PTE. LTD.								
Street Address:	5A SERANGOON NORTH AVENUE 5								
City:	SINGAPORE								
State/Country:	SINGAPORE								
Postal Code:	554574								
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>13651562</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13651562				
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Application Number:	13651562								
CORRESPONDENCE DATA									
Fax Number:	4078412343								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	407-841-2330								
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Address Line 4:	ORLANDO, FLORIDA 32801								
ATTORNEY DOCKET NUMBER:	12-TPY-0312 (52205)								
NAME OF SUBMITTER:	CHRISTOPHER F. REGAN								
Total Attachments: 2 source=52205assign#page1.tif source=52205assign#page2.tif									

OP \$40.00 13651562

A S S I G N M E N T

WHEREAS, Hk LOOI, of Singapore, Singapore; Cheng-Hai CHEN of Singapore, Singapore; and HaiKin TON of Singapore, Singapore; hereinafter referred to as ASSIGNORS, have made certain improvements or inventions in PNP APPARATUS WITH PICK-UP TIP AND RELATED METHODS, for which ASSIGNORS have executed an application for United States Letters Patent filed herewith in the United States Patent and Trademark Office; and

WHEREAS, STMICROELECTRONICS ASIA PACIFIC PTE LTD (SINGAPORE) located at 5A Serangoon North Avenue, Singapore, Singapore, 554574, hereinafter referred to as ASSIGNEE, is desirous of acquiring the same;

NOW THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said ASSIGNORS do hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, all right, title and interest in and to said United States Patent application, the invention or inventions therein shown and described and any improvements on said inventions heretofore or hereafter made, any divisions or continuations of said application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of said patents; and said ASSIGNORS do hereby authorize and request the Commissioner of Patents to issue all patents on said United States Patent applications or for the invention or inventions hereof, in accordance with this assignment.

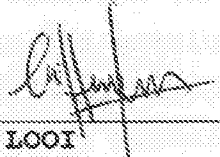
And said ASSIGNORS for said consideration hereby covenant and agree that said ASSIGNORS are the owners of the full title herein conveyed and have the right to convey the same, and

agree that said ASSIGNORS will communicate to said ASSIGNEE any facts known to said ASSIGNORS respecting said invention or inventions, and testify in any legal proceedings when called upon by said ASSIGNEE, sign all lawful papers deemed by said ASSIGNEE as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid said ASSIGNEE, its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the ASSIGNEE'S expense.

IN WITNESS WHEREOF I have hereunto set my hand on the date indicated below.

09/25/2012

Date (mm/dd/yyyy)


Hk LOOI

09/25/2012

Date (mm/dd/yyyy)


ChengHai CHEH

09/25/2012

Date (mm/dd/yyyy)


HaiKin TOH