

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Xuan Lin</td> <td>08/12/2009</td> </tr> <tr> <td>Richard Hurtubise</td> <td>08/10/2009</td> </tr> <tr> <td>Vincent Paneccasio Jr.</td> <td>08/10/2009</td> </tr> <tr> <td>Qingyun Chen</td> <td>08/10/2009</td> </tr> </tbody> </table>		Name	Execution Date	Xuan Lin	08/12/2009	Richard Hurtubise	08/10/2009	Vincent Paneccasio Jr.	08/10/2009	Qingyun Chen	08/10/2009
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (314)231-4342  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 314-345-7000        Email: uspatents@senniger.com        Correspondent Name: Senniger Powers LLP        Address Line 1: 100 North Broadway        Address Line 2: 17th Floor        Address Line 4: St. Louis, MISSOURI 63102</p>											
ATTORNEY DOCKET NUMBER:	CEDE 2279.2										
NAME OF SUBMITTER:	Anita Juric										
Total Attachments: 7											

OP \$40.00 12446176

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**PATENT**  
**REEL: 023488 FRAME: 0661**

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ASSIGNMENT

**WHEREAS, We,** Xuan Lin of Northford, CT, Richard Hurtubise of Clinton, CT, Vincent Paneccasio, Jr. of Madison, CT, and Qingyun Chen of Branford, CT, have invented an improvement in COPPER DEPOSITION FOR FILLING FEATURES IN MANUFACTURE OF MICROELECTRONIC DEVICES (CEDE 2279.2) and have executed an application for a United States patent based thereon assigned Serial No. 12/446,176, filed April 17, 2009;

**AND, WHEREAS,** ENTHONE INC. of West Haven, CT, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

**NOW, THEREFORE,** for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country

which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

**TO BE HELD AND ENJOYED** by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

**AND We** hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

**AND We** hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

**AND We** hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been

otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, we have hereunto set our hands.

8-12-2007  
Date

Xuan Lin  
Xuan Lin

STATE OF CONNECTICUT )  
COUNTY OF New Haven

On this 12<sup>th</sup> day of August, 2009, before me, a Notary Public, personally appeared Xuan Lin to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Kristen P. Brill  
Notary Public

My Commission Expires:

KRISTEN P BRILL  
NOTARY PUBLIC  
State of Connecticut  
My Commission Expires Mar. 31, 2013

8/10/09  
Date

Richard Hurtubise  
Richard Hurtubise

STATE OF CONNECTICUT )

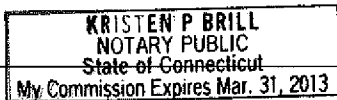
COUNTY OF New Haven

On this 10<sup>th</sup> day of August, 2009, before me, a Notary Public, personally appeared Richard Hurtubise to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Kristen P. Brill  
Notary Public

My Commission Expires:



8/10/09  
Date

Vincent Panecasio, Jr.  
Vincent Panecasio, Jr.

STATE OF CONNECTICUT )  
COUNTY OF New Haven

On this 10th day of August, 2009, before me, a Notary Public, personally appeared Vincent Panecasio, Jr. to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

K. P. Brill  
Notary Public

My Commission Expires:





8/10/09

Date

Qingyun Chen

STATE OF CONNECTICUT )

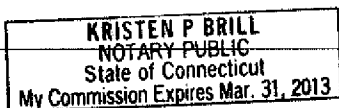
COUNTY OF New Haven

On this 10<sup>th</sup> day of August, 2009, before me, a Notary Public, personally appeared Qingyun Chen to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that she executed same as her free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Kristen P. Brill  
Notary Public

My Commission Expires:



PIF/axj

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