

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Hon Shing Lau</td><td>04/22/2010</td></tr> <tr><td>Shi-Wei Lee</td><td>03/15/2010</td></tr> <tr><td>Matthew Ming Fai Yuen</td><td>04/07/2010</td></tr> <tr><td>Jingshen Wu</td><td>03/29/2010</td></tr> <tr><td>Chi Chuen Lo</td><td>03/15/2010</td></tr> <tr><td>Haibo Fan</td><td>03/20/2010</td></tr> <tr><td>Haibin Chen</td><td>03/29/2010</td></tr> </tbody> </table>		Name	Execution Date	Hon Shing Lau	04/22/2010	Shi-Wei Lee	03/15/2010	Matthew Ming Fai Yuen	04/07/2010	Jingshen Wu	03/29/2010	Chi Chuen Lo	03/15/2010	Haibo Fan	03/20/2010	Haibin Chen	03/29/2010
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CORRESPONDENCE DATA																	
<p>Fax Number: (312)616-5700</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-616-5600</p> <p>Email: assignments@leydig.com</p> <p>Correspondent Name: John B. Conklin</p> <p>Address Line 1: 180 N. Stetson Ave. Suite 4900</p> <p>Address Line 2: 705985</p> <p>Address Line 4: Chicago, ILLINOIS 60601-6731</p>																	
ATTORNEY DOCKET NUMBER:	705985																

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PATENT
REEL: 024321 FRAME: 0786

NAME OF SUBMITTER:

John B. Conklin

Total Attachments: 8

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PATENT

Attorney Docket No. 705985
Client Reference No. TTC.PA.0409

Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza, Suite 4900
180 North Stetson Avenue
Chicago, Illinois 60601-6731

ASSIGNMENT

WHEREAS, WE,

Hon Shing LAU
961 Newell Road
Palo Alto, CA 94303
USA;

Shi-Wei LEE
Flat 1B, Tower 7,
The Hong Kong University of Science
and Technology
Clear Water Bay, Kowloon
Hong Kong, China;

Matthew Ming Fai YUEN
Flat 4A, Tower 18, Senior Staff Quarter,
The Hong Kong University of Science
and Technology
Clear Water Bay, Kowloon
Hong Kong, China;

Jingshen WU
5B, Tower 10, Senior Staff Quarter,
The Hong Kong University of Science
and Technology
Clear Water Bay, Kowloon
Hong Kong, China;

Chi Chuen LO
48C, Block 1, Tseung Kwan O Plaza,
Tseung Kwan O, New Territories
Hong Kong, China;

Haibo FAN
1G, Block C, Junior Staff Quarter,
The Hong Kong University of Science
and Technology
Clear Water Bay, Kowloon
Hong Kong, China; and

Haibin CHEN
Room B, Floor 4, Block D, Junior Staff
Quarter,
The Hong Kong University of Science
and Technology
Clear Water Bay, Kowloon
Hong Kong, China,

have invented and own a certain invention entitled:

**APPARATUS HAVING THERMAL-ENHANCED AND COST-EFFECTIVE 3D IC
INTEGRATION STRUCTURE WITH THROUGH SILICON VIA INTERPOSERS**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on February 19, 2010, under U.S. Application No. 12/709,291, and

In re Appln. of LAU et al.
Attorney Docket No. 705985; TTC.PA.0409

WHEREAS, THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, Clear Water Bay, Kowloon, Hong Kong, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below:

Date 4/22/2010

Johill R
Hon Shing LAU

Date 4/22/2010

Miguel Fisch
Witness

Date 4/22/2010

Rui Li
Witness

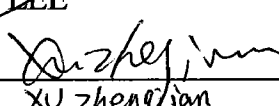
In re Appln. of LAU et al.
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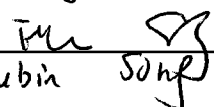
Date 15/3/2010


Shi-Wei LEE

Date 15/3/2010


Witness XU Zhengjian

Date 15/3/2010


Witness Fubin Song

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Date _____

Matthew Ming Fai YUEN

Date _____

Witness

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Date _____

Jingshen WU

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Witness

In re Appln. of LAU et al.
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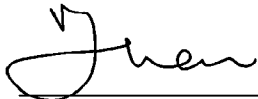
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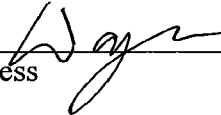
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Date 7-4-2010 
Matthew Ming Fai YUEN

Date 7-4-2010 
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Date 7-4-2010 
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Date _____ Jingshen WU

Date _____
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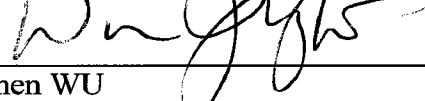
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Date _____ Matthew Ming Fai YUEN

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Date 29/3/2010  _____
Jingshen WU

Date 29/3/2010  _____
SHI Yuning
Witness

Date 29/3/2010  _____
XUE Ke
Witness

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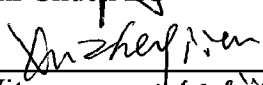
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Date 15/3/2010



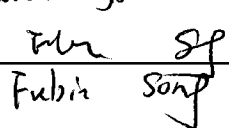
Chi Chuen LO

Date 15/3/2010



Witness Au Zhenjian

Date 15/3/2010



Witness Fubin Song

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Date _____

Haibo FAN

Date _____

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Haibin CHEN

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Chi Chuen LO

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Date 30 March 2010
Haibo FAN
Haibo FAN

Date 30 March 2010
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Haibo FAN

Date _____

Witness

Date _____

Witness

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Date Mar 29, 2010

Chen Haili
Haibin CHEN

Date Mar 29, 2010

SHI, Yumey
Witness

Date Mar 29, 2010

XVE ke
Witness