

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Intellectual Ventures Asia Pte. Ltd.	03/07/2012
RECEIVING PARTY DATA	
Name:	Empire Technology Development LLC
Street Address:	2711 Centerville Road
Internal Address:	Suite 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12467753
CORRESPONDENCE DATA	
Fax Number:	(206)299-9288
Phone:	206-903-8800
Email:	ipdocket-se@dorsey.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Dorsey & Whitney LLP
Address Line 1:	701 Fifth Avenue
Address Line 2:	Suite 6100
Address Line 4:	Seattle, WASHINGTON 98104
ATTORNEY DOCKET NUMBER:	P190964.US.01
NAME OF SUBMITTER:	Jennifer L. Spaith
Total Attachments: 4 source=US-410157-01-US-REG_Redacted IVA to Empire Assignment_new_4#page1.tif source=US-410157-01-US-REG_Redacted IVA to Empire Assignment_new_4#page2.tif source=US-410157-01-US-REG_Redacted IVA to Empire Assignment_new_4#page3.tif source=US-410157-01-US-REG_Redacted IVA to Empire Assignment_new_4#page4.tif	

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 REEL: 028545 FRAME: 0889

ASSIGNMENT

This assignment is entered into by and between Intellectual Ventures Asia Pte. Ltd. ("IVA") and Empire Technology Development LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("Assignee").

1. Effective as February 1, 2010, IVA hereby sells, assigns, transfers, and conveys unto Assignee the full extent of its right, title and interest in and to the Patent Rights (as defined on Exhibit A).
2. IVA will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Patent Rights, conduct proceedings regarding the Patent Rights (including any litigation or interference proceedings), or perfect or defend title to the Patent Rights.
3. A copy of this Assignment will be deemed a full legal and formal equivalent of any document that may be required in any country as proof of the right of Assignee to apply for patent or other protection for any inventions and to claim the benefit of the right of priority thereto. IV A grants to Assignee the right, power and authority to insert in this Assignment of Patent Rights any further information or identification that may be necessary or desirable to comply with the applicable rules and procedures for recordation of this Assignment, or perfecting its benefit, throughout the world.
4. The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon the IVA, its successors, legal representatives and assigns.

Intellectual Ventures Asia Pte. Ltd.

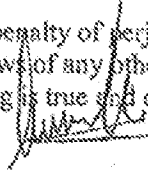

Jerome Hewlett, Executive Director

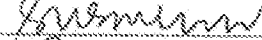
ATTESTATION

Each of the undersigned witnessed the signature of *Jerome Hewlett* to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. *Jerome Hewlett* is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 7 March, 2012, to execute this document.
3. *Jerome Hewlett* subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By: 
Print Name: Eunice Hue

By: 
Print Name: Susan Lee

ACKNOWLEDGED AND ACCEPTED:

Empire Technology Development LLC

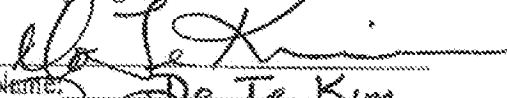

Printed Name: Eric Bell

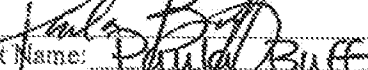
ATTESTATION

Each of the undersigned witnessed the signature of Eric Bell to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Eric Bell is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on March 14, 2012, to execute this document.
3. Eric Bell subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By: 
Print Name: Do Te Kim

By: 
Print Name: Paul Buff

**Exhibit A
Patent Rights**

"Patent Rights" means:

1. the inventions listed in the table below, all inventions or other rights assigned to IVA that are not listed below, and all inventions claimed and/or described in the Applications (collectively, the **"Inventions"**);
2. the patent applications listed in the table below (the **"Applications"**);

Application Number	Filing Date	Country	Title/First Named Inventor
12/467,753	5/18/2009	US	FORMATION OF SILICON SHEETS BY IMPINGING FLUID/Christopher A. Bang
2009-288056	12/18/2009	JP	FORMATION OF SILICON SHEETS BY IMPINGING FLUID/Christopher A. Bang

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3. all rights with respect to the Inventions, including all United States patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Applications ("**Potential Patents**");
4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("**Foreign Rights**"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
6. all rights to claim priority rights deriving from the Application;
7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.