

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gary K Chan</td> <td>04/29/2008</td> </tr> <tr> <td>Hai Ho</td> <td>05/02/2008</td> </tr> <tr> <td>Joseph Jacques</td> <td>05/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	Gary K Chan	04/29/2008	Hai Ho	05/02/2008	Joseph Jacques	05/01/2008
Name	Execution Date								
Gary K Chan	04/29/2008								
Hai Ho	05/02/2008								
Joseph Jacques	05/01/2008								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Cisco Technology, Inc.								
<b>Street Address:</b>	170 West Tasman Drive								
<b>City:</b>	San Jose								
<b>State/Country:</b>	CALIFORNIA								
<b>Postal Code:</b>	95134-1706								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12114011</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12114011				
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Application Number:	12114011								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(508)616-9661								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	5086169660								
<b>Email:</b>	docket@chapin-ip-law.com								
<b>Correspondent Name:</b>	CHAPIN INTELLECTUAL PROPERTY LAW, LLC								
<b>Address Line 1:</b>	WESTBOROUGH OFFICE PARK								
<b>Address Line 2:</b>	1700 WEST PARK DRIVE, SUITE 280								
<b>Address Line 4:</b>	WESTBOROUGH, MASSACHUSETTS 01581								
<b>ATTORNEY DOCKET NUMBER:</b>	CIS07-08(15899)								
<b>NAME OF SUBMITTER:</b>	Melanie Soloman								

Total Attachments: 4  
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**PATENT**  
**REEL: 020891 FRAME: 0217**

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5/1/2008 2:01:25 PM PAGE 5/006 Fax Server

Attorney Docket No.: CIS07-08(15899)  
Joint

### ASSIGNMENT

**WHEREAS**, we, Gary K. Chan, Hai Ho, and Joseph Jacques, have invented a certain improvement in **THERMAL PUMP MODULE AND TEMPERATURE REGULATION** described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, Cisco Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of California and having a usual place of business at 170 West Tasman Drive, San Jose, California 95134-1706 desires to acquire an interest therein in accordance with agreements duly entered into with us;

**NOW, THEREFORE**, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

**AND**, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal

**PATENT**  
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Apr-29-2008 04:43pm From-

T-868 P 003 F-210

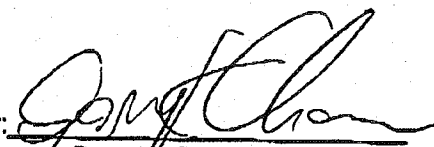
Attorney Docket No.: CIS07-08(15899)

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representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

**AND**, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

**IN TESTIMONY WHEREOF**, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:   
Gary K. Chan

Dated: April 29, 2008

Inventor: \_\_\_\_\_  
Hai Ho

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
Joseph Jacques

Dated: \_\_\_\_\_

May-02-2008 07:45am From-

T-875 P.003/003 F-225

Attorney Docket No.: CIS07-08(15899)

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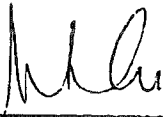
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Inventor: \_\_\_\_\_  
Gary K. Chan

Dated: \_\_\_\_\_

Inventor:  \_\_\_\_\_  
Hai Ho

Dated: 5/2/2008

Inventor: \_\_\_\_\_  
Joseph Jacques

Dated: \_\_\_\_\_

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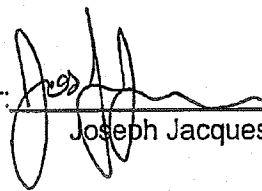
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Gary K. Chan

Dated: \_\_\_\_\_

Inventor: \_\_\_\_\_  
Hai Ho

Dated: \_\_\_\_\_

Inventor:  \_\_\_\_\_  
Joseph Jacques

Dated: 05/01/2008