10-29-2002



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	rademarks: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Mudasir Ahmad Executed: 10/21/02 Susheela Narasimhan Executed: 10/21/02	Name: Cisco Technology, Inc.
12/12/12	Internal Address:
10/0/100	
Additional name(s) of conveying party(ies) attached? [] Yes [X] I	No
3. Nature of conveyance:	Street Address: 170 West Tasman Drive
[X] Assignment [] Merger	
[] Security Agreement [] Change of Name	City: San Jose State: CA ZIP: 95134- 1706
[] Other	
Execution Date: October 21, 2002	Additional name(s) & address(es) attached? [] Yes [X] No
4. Application number(s) or patent number(s):	0/272714
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	tion the execution date of the application is: October 21, 2002
If this document is being filed together with a new application. A. Patent Application No.(s)	B. Patent No.(s)
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If this document is being filed together with a new application No.(s) A. Patent Application No.(s) 5/2002 DENNAMU1 00000021 10278264 C:8021 40.00 OP Additional 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Huang, Esq. Internal Address: CHAPIN & HUANG, L.L.C. Street Address: Westborough Office Park 1700 West Park Drive City: Westborough State: MA ZIP: 01581 DO 9. Statement and signature.	numbers attached? [] Yes [x] No 6. Total number of applications and patents involved: [1] 7. Total Fee (37 C.F.R. 3.41)
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PATENT REEL: 013414 FRAME: 0434

Docket No.: CIS02-40(6285)

Attorney Docket No.: CIS02-40(6285)

Joint

ASSIGNMENT

WHEREAS, we, Mudasir Ahmad and Susheela Narasimhan, have invented a certain improvement in METHODS AND APPARATUS FOR COOLING A CIRCUIT BOARD COMPONENT described in an application for Letters Patent of the United States, the specification of which:

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

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 REEL: 013414 FRAME: 0435 Attorney Docket No.: CIS02-40(6285)

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.

nventor: <u>Muda</u>

Dated: 10/21/2002

Inventor: Susheela Narasimhan

Dated: 10 . 21. 2002

PATENT RECORDED: 10/23/2002 REEL: 013414 FRAME: 0436