

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Bill J. ZHOU	12/04/2002
Richard L. HAMMONS	12/04/2002
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BROCADE COMMUNICATIONS SYSTEMS, INC.
<b>Street Address:</b>	1745 Technology Drive
<b>City:</b>	San Jose
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95110
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11769771
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)238-8008
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<b>ATTORNEY DOCKET NUMBER:</b>	2120-01801
<b>NAME OF SUBMITTER:</b>	Tim D. Chheda
<b>Total Attachments: 2</b> source=01801ASSIGNMENT#page1.tif source=01801ASSIGNMENT#page2.tif	

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**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Brocade Communications Systems, Inc., a Delaware corporation, having a place of business at 1745 Technology Drive, San Jose, California 95110 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: "**A MECHANISM TO CHANGE FIRMWARE IN A HIGH AVAILABILITY SINGLE PROCESSOR SYSTEM**" ("APPLICATION"), which:

- is to be filed herewith
- was filed on October 29, 2002, now bearing U.S. Serial Number 10/282,948 and for which a Declaration was executed by INVENTOR on the date(s) below; and

The entire worldwide right, title, and interest in and to (a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; and (c) patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles, and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed this 4 day of December, 2002.



*Bill J. Zhou*

**Bill J. ZHOU**

STATE OF Santa Clara

COUNTY OF California

BEFORE ME, the undersigned authority, on this day personally appeared **Bill J. ZHOU**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 4 day of December, 2002.

*Katrina M. Bayne*  
Notary Public in and for the  
State of California

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Executed this 4 day of December, 2002.



*Richard L. Hammons*

**Richard L. HAMMONS**

STATE OF California

COUNTY OF Santa Clara

BEFORE ME, the undersigned authority, on this day personally appeared **Richard L. HAMMONS**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 4 day of December, 2002.

*Katrina M. Bayne*  
Notary Public in and for the  
State of California