

RECORDATION FORM COVER  
PATENTS ONLY

10-25-2001

To the Honorable commissioner of Patents and Trademarks:



101886255

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John William Marshall  
Barry S. Burns  
Darren Kerr

10/16/01

Additional name(s) of conveying party(ies) attached? \_\_\_\_\_ Yes \_\_\_\_\_ X No

2. Name and address of receiving party(ies):

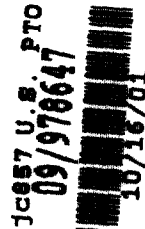
Name: Cisco Technology, Inc.

Street Address: 170 W. Tasman Drive  
Building D

City: San Jose

State: CA Zip: 95134-1706

Additional name(s) & address(es) Attached? \_\_\_\_\_ Yes \_\_\_\_\_ X No



3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other

Execution Date: 9/24/01 and 10/12/01

4. Application number(s) or patent number(s):

09/978647

If this document is being filed together with a new application, the execution date of the application is: 9/24/01 and 10/12/01

A. Patent Application No.(s)

B. Patent No. (s)

Additional numbers attached? \_\_\_\_\_ Yes \_\_\_\_\_ X No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Charles J. Barbas

Street Address: Cesari and McKenna, LLP  
88 Black Falcon Avenue  
City: Boston State: MA Zip: 02210

6. Total number of applications and patents involved:..... 1

7. Total fee (37 CFR 3.41).....\$40.00  
☒ Enclosed

☐ Authorized to be charged to deposit Account

8. Deposit account no. 03-1237 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles J. Barbas, Reg. No. 32,959

*Charles J. Barbas*  
Signature

October 16, 2001

Name of Person Signing  
10/19/2001 STEUMEL1 00000043 09978647

Date

Total number of pages comprising cover sheet:

## ASSIGNMENT

Whereas We, John William Marshall, whose residence address is 212 Preston Pines Drive, Cary, North Carolina 27513, Barry S. Burns, whose residence address is 104 Sherringham Court, Apex, NC 27502, and Darren Kerr, whose residence address is 853 Forest Ave., Palo Alto, CA 94301, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled BARRIER SYNCHRONIZATION MECHANISM FOR PROCESSORS OF A SYSTOLIC ARRAY, identified by Cesari and McKenna File No. 112025-0455, which application was executed by us on 9/24/01; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, Building D, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;


4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents

including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

9/24/01  
Date

  
John William Marshall, Inventor

State of North Carolina )  
 )ss.  
County of Wake )

On this 24<sup>th</sup> day of September, 2001, before me appeared John William Marshall, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

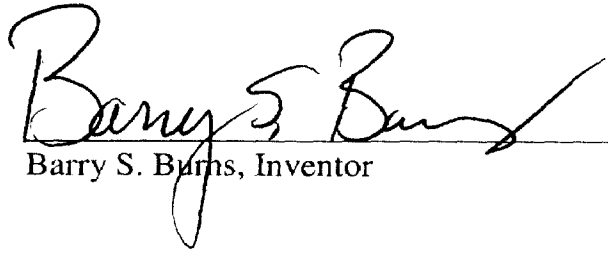
James M. Burke  
Notary Public

[seal]

**My Commission Expires 6-15-2003**

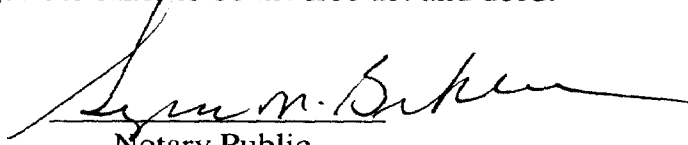
9/24/01

Date

  
Barry S. Burns, Inventor

State of North Carolina )  
 )ss.  
County of Wake )

On this 24<sup>th</sup> day of September, 2001, before me appeared Barry S. Burns, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
Notary Public

[seal]

My Commission Expires 6-16-2003

Date

Darren Kerr, Inventor

State of California )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me appeared Darren Kerr, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Notary Public

[seal]

### ASSIGNMENT

Whereas We, John William Marshall, whose residence address is 212 Preston Pines Drive, Cary, North Carolina 27513, Barry S. Burns, whose residence address is 104 Sherringham Court, Apex, NC 27502, and Darren Kerr, whose residence address is 853 Forest Ave., Palo Alto, CA 94301, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled **BARRIER SYNCHRONIZATION MECHANISM FOR PROCESSORS OF A SYSTOLIC ARRAY**, identified by Cesari and McKenna File No. 112025-0455, which application was executed by us on Oct 12, 2001; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, Building D, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents

including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

\_\_\_\_\_  
Date

\_\_\_\_\_  
John William Marshall, Inventor

State of North Carolina                    )  
  )ss.  
County of \_\_\_\_\_                    )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me appeared John William Marshall, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Notary Public

[seal]

\_\_\_\_\_  
Date

\_\_\_\_\_  
Barry S. Burns, Inventor

State of North Carolina                    )  
  )ss.  
County of \_\_\_\_\_                    )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me appeared Barry S. Burns, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Notary Public

[seal]



\_\_\_\_\_  
Date

\_\_\_\_\_  
Darren Kerr, Inventor

State of California                        )  
  )ss.  
County of \_\_\_\_\_                        )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me appeared Darren Kerr, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Notary Public

[seal]