

10-30-2001

NO. 6179513927

P. 05

6/29/98



To the Honorable Commissioner of Patents

101881500

Please record the attached original documents.

## 1. Name of conveying party(ies):

Kenneth Michael Key  
Michael L. Wright  
William E. Jennings

Additional name(s) of conveying

party(ies) attached? Yes ☒ No

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

Name: Cisco Technology, Inc.

Street Address:

170 West Tasman Drive, Building D

City: San Jose

State: CA

Zip: 95134-1706

## 3. Nature of conveyance:

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

Additional name(s) & address(es)  
attached? Yes ☒ No

Execution Date: June 26, 1998

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

If this document is being filed together with a new application, the execution  
date of the application is: June 26, 1998

A. Patent Application No.(s)

09/106,478

B. Patent No. (s)

Additional numbers attached? Yes ☒ No5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name: Charles J. Barbas, Esq.  
CESARI AND MCKENNA, LLP  
Street Address:  
30 Rowes Wharf  
City: Boston State: MA Zip: 02110

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, 32,959

Signature

Date

6-29-98

Total number of pages comprising cover sheet:

PATENTS  
356/112025-0077

### ASSIGNMENT

Whereas We, Darren Kerr, who reside at 853 Forest Ave., Palo Alto, CA 94301, Kenneth Michael Key, who reside at 3604 Moss Bluff Court, Raleigh, North Carolina 27613, Michael L. Wright, who reside at 406 Fincastle Drive, Raleigh, North Carolina 27607, and William E. Jennings, who reside at 303 Southglen Drive, Cary, North Carolina 27511, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled PROGRAMMABLE ARRAYED PROCESSING ENGINE ARCHITECTURE FOR A NETWORK SWITCH, identified by Cesari and McKenna File No. 112025-0077, which application was executed by us on JUNE 26, 1998; 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 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

PATENTS  
356/112025-0077

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

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

State of California

)

)ss.

County of \_\_\_\_\_

)

On this \_\_\_\_\_ day of \_\_\_\_\_, 1998, 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/she acknowledged the same to be his/her free act and deed.

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

[seal]

PATENTS  
356/112025-0077

JUNE 26, 1998  
Date

Kenneth M. Key  
Kenneth Michael Key, Inventor

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

On this 26 day of June, 1998, before me appeared Kenneth Michael Key, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Jennifer O'Leary  
Notary Public

my commission expires 10/12/02

[seal]

June 26, 1998  
Date

Michael L. Wright  
Michael L. Wright, Inventor

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

On this 26 day of June, 1998, before me appeared Michael L. Wright, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Jennifer O'Leary  
Notary Public

my commission expires 10/12/02

[seal]

PATENTS  
356/112025-0077

6/26/98  
Date

William E. Jennings  
William E. Jennings, Inventor

State of North Carolina )  
County of Durham )ss.

On this 26 day of June, 1998, before me appeared William E. Jennings, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Jennings D. Puzio  
Notary Public

[seal]

My Commission expires 10/12/02