
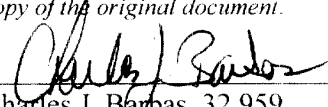


<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> MWD 6-29-98 To the Honorable commissioner of Pat Please record the attached original d </div> <div style="text-align: center;"> 07-13-1998  100761714 </div> <div style="text-align: right;"> ET <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> JCS49 U.S. PRO 09/106245 06/29/98 </div> </div> </div>	
1. Name of conveying party(ies): Scott Nellenbach Kenneth Michael Key Edward D. Paradise Kenneth H. Potter Jr. Additional name(s) of conveying party(ies) attached? _____ Yes <input checked="" type="checkbox"/> 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 Additional name(s) & address(es) attached? _____ Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other	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 <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> A. Patent Application No.(s) </div> <div style="width: 45%;"> B. Patent No. (s) </div> </div> Additional numbers attached? _____ Yes <input checked="" type="checkbox"/> No	
5. 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 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> 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	
<div style="display: flex; justify-content: space-between;"> <div> 07/07/1998 SCHAPMAN 00000004 09106245 02 FC:581 </div> <div> 40.00 DP </div> </div>	
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;">  Charles J. Barbas, 32,959 </div> <div style="text-align: center;"> Signature </div> <div style="text-align: center;"> Date 6-29-98 </div> </div> <div style="text-align: right; margin-top: 10px;"> Total number of pages comprising cover sheet: </div>	

ASSIGNMENT

Whereas We, Scott Nellenbach, who reside at 208 Burgwin Wright Way, Apex, North Carolina 27502, Kenneth Michael Key, who reside at 3604 Moss Bluff Court, Raleigh, North Carolina 27613, Edward D. Paradise, who reside at 301 Madera Lane, Chapel Hill, North Carolina 27514, and Kenneth H. Potter Jr., who reside at 5404 Amsterdam Place, Raleigh, North Carolina 27606, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled POOLED RECEIVE AND TRANSMIT QUEUES TO ACCESS A SHARED BUS IN A MULTI-PORT SWITCH ASIC, identified by Cesari and McKenna File No. 112025-0086, 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

JUNE 26, 1998
Date

Kenneth Michael 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.

[seal]

Jennifer O'Kane
Notary Public
my commission expires 10/12/02

6/26/98
Date

Edward D. Paradise
Edward D. Paradise, Inventor

State of Carolina)
)ss.
County of Durham)

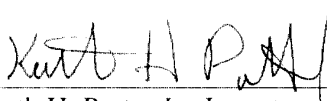
On this 26 day of June, 1998, before me appeared Edward D. Paradise, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

[seal]

Jennifer O'Kane
Notary Public
my commission expires 10/12/02

6-26-98

Date


Kenneth H. Potter Jr., Inventor

State of North Carolina

)

Durham

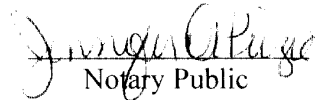
)ss.

County of

WAKE

)

On this 26 day of JUNE, 1998, before me appeared Kenneth H. Potter Jr., 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

my commission expires 10/12/02

[seal]