

RECOI

10-19-2005

To the Honorable commissioner of Patents :  
Please record the attached original document



103103253

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

Stefano B. Previdi  
Clarence Filsfils  
David Ward



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

Name: Cisco Technology, Inc.

Street Address: 170 West Tasman Drive

City: San Jose

State: CA Zip: 95134-1706

Additional name(s) of conveying party(ies) attached? Yes ☒ No

## 3. Nature of conveyance:

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

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

Execution Date: 08/10/04, 08/13/04, and 07/07/04

## 4. Application number(s) or patent number(s): 10/928,866

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

A. Patent Application No.(s)

B. Patent No. (s)

Additional numbers attached? Yes ☒ No

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

Name: James M. Behmke

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.

James M. Behmke, Reg. No. 51,448

Name of Person Signing

Signature

October 13, 2005

Date

Total number of pages comprising cover sheet: X

10/18/2005 ECOOPER 00000095 10938866

01 FC:8021

40.00 DP

PATENT  
REEL: 017093 FRAME: 0422

### ASSIGNMENT

Whereas We, Stefano B. Previdi, whose residence address Via Citta'della Pieve, 88, 00191 Roma, Italy, Clarence Filsfils, whose residence address is 39, av speeckaert, 1200 Brussels, Belgium, and David D. Ward, whose residence address is 301 221st Avenue, Somerset, WI 54025, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled **MECHANISM TO IMPROVE CONCURRENCY IN EXECUTION OF ROUTING COMPUTATION AND ROUTING INFORMATION DISSEMINATION**, identified by Cesari and McKenna File No. 112025-0557, which application was executed by us; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, 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;

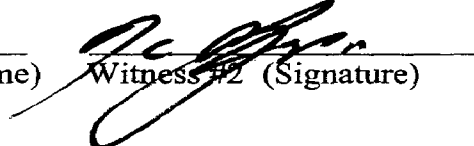
and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating 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.

10-AUG-2004                        
Date                                  Stefano B. Previdi, Inventor

Signed before the following witnesses:

S. R. STARGESS                                            10. AUG. 2004  
Witness #1 (Printed Name)      Witness #1 (Signature)                      Date

M. C. ALLEYNE                                            10-AUG-2004  
Witness #2 (Printed Name)      Witness #2 (Signature)                      Date

\_\_\_\_\_  
Date                                  Clarence Filsfils, Inventor

Signed before the following witnesses:

\_\_\_\_\_  
Witness #1 (Printed Name)      Witness #1 (Signature)                      Date

\_\_\_\_\_  
Witness #2 (Printed Name)      Witness #2 (Signature)                      Date

David D. Ward, Inventor

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared David D. Ward, 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, Stefano B. Previdi, whose residence address Via Citta'della Pieve, 88, 00191 Roma, Italy, Clarence Filsfils, whose residence address is 39, av speeckaert, 1200 Brussels, Belgium, and David D. Ward, whose residence address is 301 221st Avenue, Somerset, WI 54025, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled **MECHANISM TO IMPROVE CONCURRENCY IN EXECUTION OF ROUTING COMPUTATION AND ROUTING INFORMATION DISSEMINATION**, identified by Cesari and McKenna File No. 112025-0557, which application was executed by us; and

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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

\_\_\_\_\_  
Stefano B. Previdi, Inventor

Signed before the following witnesses:

\_\_\_\_\_  
Witness #1 (Printed Name)

\_\_\_\_\_  
Witness #1 (Signature)

\_\_\_\_\_  
Date


\_\_\_\_\_  
Witness #2 (Printed Name)

\_\_\_\_\_  
Witness #2 (Signature)

\_\_\_\_\_  
Date

13/08/2004

\_\_\_\_\_  
Date




\_\_\_\_\_  
Clarence Filsfils, Inventor

Signed before the following witnesses:

Kris Michelsen

\_\_\_\_\_  
Witness #1 (Printed Name)

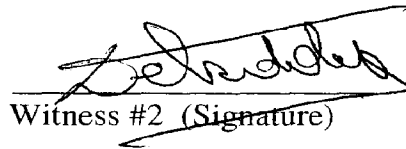
  
\_\_\_\_\_  
Witness #1 (Signature)

13/8/04

\_\_\_\_\_  
Date

DANNY DE RIDDER

\_\_\_\_\_  
Witness #2 (Printed Name)

  
\_\_\_\_\_  
Witness #2 (Signature)

13/8/04

\_\_\_\_\_  
Date

**David D. Ward, Inventor**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared David D. Ward, 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, Stefano B. Previdi, whose residence address Via Citta'della Pieve, 88, 00191 Roma, Italy, Clarence Filsfils, whose residence address is 39, av speeckaert, 1200 Brussels, Belgium, and David D. Ward, whose residence address is 301 221st Avenue, Somerset, WI 54025, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MECHANISM TO IMPROVE CONCURRENCY IN EXECUTION OF ROUTING COMPUTATION AND ROUTING INFORMATION DISSEMINATION, identified by Cesari and McKenna File No. 112025-0557, which application was executed by us; and

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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

\_\_\_\_\_  
Stefano B. Previdi, Inventor

Signed before the following witnesses:

\_\_\_\_\_  
Witness #1 (Printed Name)

\_\_\_\_\_  
Witness #1 (Signature)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness #2 (Printed Name)

\_\_\_\_\_  
Witness #2 (Signature)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Clarence Filsfils, Inventor

Signed before the following witnesses:

\_\_\_\_\_  
Witness #1 (Printed Name)

\_\_\_\_\_  
Witness #1 (Signature)

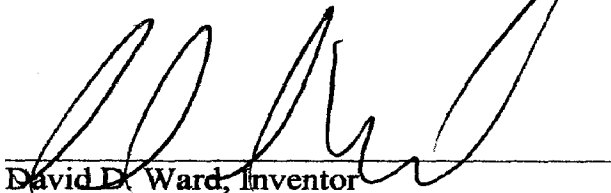
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Date

\_\_\_\_\_  
Witness #2 (Printed Name)

\_\_\_\_\_  
Witness #2 (Signature)

\_\_\_\_\_  
Date

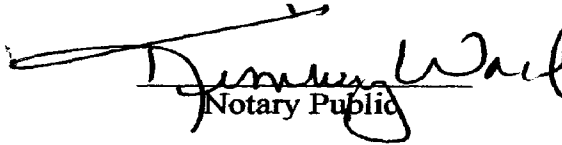
2004.07.07  
Date

  
David D. Ward, Inventor

State of Wisconsin )  
County of St. Croix )ss.  
)

On this 7th day of July, 2004, before me appeared David D. Ward, 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