

05-18-2005

05/11/05

ASSIGN



SHEET

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To: Honorable Commissioner of Patents and Trademarks:
Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
 - a) Bhaskar Bhupalam
 - b) Arghya Mukherjee
 - c) Venkatanarayana Muppala
 - d) Ian H. Wilson

2. Name and address of receiving party(ies):
 - a) Name: Cisco Technology, Inc.
Address: 170 West Tasman Drive, San Jose, CA 95134

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 _____	<input type="checkbox"/> License Agreement

Execution Date: Bhaskar Bhupalam-May 6, 2005, Arghya Mukherjee-May 6, 2005, Venkatanarayana Muppala-May 6, 2005, and Ian H. Wilson-May 11, 2005

4. Application Number(s) or Patent Number(s): NEW

The title of the (new) application is:

MULTIPLE VIRTUAL ROUTER GROUP OPTIMIZATION

5. Please send all correspondence concerning this (these) documents to:

Beyer Weaver & Thomas, LLP
P.O. Box 70250
Oakland, CA 94612-0250
Ph: (510) 663-1100
Fax: (510) 663-0920
(Customer Number: 022434)

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
 Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. CISC428).

8. 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.

Date: May 11, 2005

05/16/2005 DTESSEM1 00000021 11127502
05 FC:8021 40.00 OP

Mary Ramos Olynick
Registration No. 42,963

Attorney Docket No. CISC428/10594 (Revised 12/01)

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

MULTIPLE VIRTUAL ROUTER GROUP OPTIMIZATION

(Atty. Docket No. CISC428/10594, (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
- which bears U.S. application No. _____ . (Not accompanying)
- which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Cisco Technology, Inc., a California corporation having a place of business at 170 West Tasman Drive, San Jose, CA 95134-1706, ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1) Signature: B. Bhupala Date: 05/06/05
 Typed Name: Bhaskar Bhupalam

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: Viren Malaviya Date: 6th May 2005
 Printed Name: Viren Malaviya

2) Signature: Gaurang Khetan Date: 5/6/2005
 Printed Name: GAURANG KHETAN

2) Signature: Arghya Mukherjee Date: 05/08/2005
 Typed Name: Arghya Mukherjee

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: Gaurang Khetan Date: 5/8/2005
 Printed Name: GAURANG KHETAN

2) Signature: _____ Date: _____
 Printed Name: _____

3) Signature: Venkatanarayana Muppala Date: 05/06/05
 Typed Name: Venkatanarayana Muppala

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: Viren Malaviya Date: 6th May 2005
 Printed Name: Viren Malaviya

2) Signature: Gaurang Khetan Date: 5/6/2005
 Printed Name: GAURANG KHETAN

4) **Signature:** _____ **Date:** _____
Typed Name: Ian H. Wilson

If signed outside the United States of America, have two witnesses who also sign below:

1) **Signature:** _____ **Date:** _____
Printed Name: _____

2) **Signature:** _____ **Date:** _____
Printed Name: _____

ASSIGNMENT OF PATENT APPLICATION

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MULTIPLE VIRTUAL ROUTER GROUP OPTIMIZATION

(Atty. Docket No. CISCP428/10594, (check one))

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. _____ . (Not accompanying)
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- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1) Signature: _____ Date: _____
Typed Name: **Bhaskar Bhupalam**

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: _____ Date: _____
Printed Name: _____

2) Signature: _____ Date: _____
Printed Name: _____

2) Signature: _____ Date: _____
Typed Name: **Arghya Mukherjee**

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: _____ Date: _____
Printed Name: _____

2) Signature: _____ Date: _____
Printed Name: _____

3) Signature: _____ Date: _____
Typed Name: **Venkatanarayana Muppala**

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: _____ Date: _____
Printed Name: _____

2) Signature: _____ Date: _____
Printed Name: _____

Revised 01/02, Assign US Notary

4) Signature: I. H. Wilson Date: 11 May 05
 Typed Name: Ian H. Wilson

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: George Taylor Date: 11 MAY 05
 Printed Name: GEORGE TAYLOR

2) Signature: Colin Docherty Date: 11/5/2005
 Printed Name: COLIN DOCHERTY

Revised 01/02, Assign US Notary