

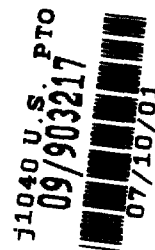
07-23-2001

ASSIGN



101787432

SHEET



To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

- 1. Name of conveying party(ies)
 - a) Suresh Katukam
- 2. Name and address of receiving party(ies):
 - a) Name: Cisco Technology, Inc.
 - b) Address: 170 W. Tasman Drive
San Jose, CA 95134

07/10/01

- 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: 7/2/2001

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

The title of the (new) application is: 09/903217

METHOD AND APPARATUS FOR COMPUTING PRIMARY AND ALTERNATE PATHS IN MIXED PROTECTION DOMAIN NETWORKS

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

(07 23 2001 09/903217 00000082 09903217)
 40.00 OF

Customer No. 26541
Ritter, Lang & Kaplan LLP
12930 Saratoga Ave., Suite D1
Saratoga, CA 95070
(408) 446-8690 (PH)
(408) 446-8691 (FX)

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

- 7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Any deficiencies are hereby authorized to be charged to Deposit Account No. 50-1652 (Order No. CISC707)

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: July 10, 2001

 Peggy A. Su
 Registration No. 41,336

Attorney Docket No. CISC707

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

METHOD AND APPARATUS FOR COMPUTING PRIMARY AND ALTERNATE PATHS IN MIXED PROTECTION DOMAIN NETWORKS

(Atty. Docket No.: CISC707) for which I (we) have executed an application for a United States Letters Patent.

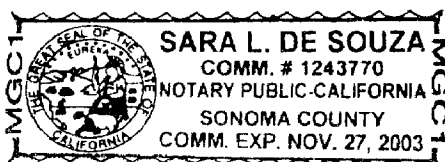
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Cisco Technology, Inc., a **California** corporation having a place of business at 170 W. Tasman Drive, San Jose, CA 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) 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 and 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 representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

1) Signature: K. Suresh Date: 07/02/2001
Typed Name: **Suresh Katukam**

Date July 2nd, 2001 Suresh Katukam L.S.
Suresh Katukam

In the State of California, county of Sonoma, on July 2, 2001, before me, Sarah DeSouza, Notary Public, personally appeared Suresh Katukam, personally known to me/proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal

Sarah L. De Souza
Notary Public

Atty Docket No.: CISC707

RECORDED: 07/10/2001

PATENT
REEL: 011988 FRAME: 0158