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Attorney Docket No: 81862P080	_ De	partmental File Se	cret File
Conveying Party (ies)	Mark if additional names of	conveying parties attached	Excecution Date Month Day Year
Name (1st party) David A. Hughes			12.04.1997
Name (2nd party) Madhav V. Marathe	***************************************		12.04.1997
Name (3rd party)			_
Name (4th party)		4.	_
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Name (line 1) Cisco Technology, Inc.	-		If document to be recorded is an assignment and the
Name (line 2) a Corporation of California	The state of the s		receiving party is not domiciled in the United
Address (line 1) 170 West Tasman Drive			States, an appointment of a domestic representative is
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PATENT REEL: 013541 FRAME: 0481

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Name	Lester J. Vincent				- Andrews	
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	erson Signing	Registration No.	Signs	ature	November 25, 2002 Date	-
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PATENT REEL: 013541 FRAME: 0482



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David A. Hughes Madhav V. Marathe	Name: Cisco Systems, Inc.		
	internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No	170 West Toomer Daine		
3. Nature of conveyance:	Street Address: 170 West Tasman Drive		
Assignment Merger	C. I. C. D. D. C. A. D. C. D. C. D. D. D. D. C. D.		
Security Agreement Change of Name	City San Jose State CA ZIP 95134		
Other			
Execution Date: 12/04/97	Additional name(s) & address(es) attached?		
4. Application number(s) or patent number(s):	the execution data of the application is: 12/04/97		
If this document is being filed together with a new application			
A. Patent Application No.(s)	B. Patent No.(s)		
Additional numbers atta	ched? ☐ Yes ■ No		
E. Name and address of party to whom correspondence	6. Total number of applications and patents involved:		
Name and address of party to whom correspondence concerning document should be mailed:			
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total fee (37 CFR 3.41)\$ 40.00		
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City: Los Angeles State: CA ZIP: 90025	(Attach duplicate copy of this page if paying by deposit account)		
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Tarek N. Fahmi - 41,402 // / / / / / / / / / / / / / / / / /			
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Attorney Docket No.: 081862.P080

LJV/ccm (1/31/96)

FORM **PTO-15**95

PATENT

REEL: 013541 FRAME: 0483

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<u>ASSIGNMENT</u>

<u>PATENT</u>

No.: 81862.P080 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, David A. Hughes and Madhav V. Marathe hereby sell, assign, and transfer to <u>Cisco Technology Inc.</u> a corporation of <u>California</u>, having a principal place of business at 170 West Tasman Drive, San Jose, California 95134 , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled

DYNAMIC, RATE-BASED, WEIGHTED FAIR SCHEDULER WITH EXPLICIT RATE FEEDBACK OPTION

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Rev. 10/01/96 (A1)

Fook Inventory Places	Sian and Data Palam.	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
Each Inventor: Please	Sign and Date Below:	$\int_{\Omega} \int_{\Omega} \int_{\Omega$
Dec 4, 1997		1/ec 4, 1997 Date
Date Dec 4 , 19 9 7 Date	David A Hughes Machen Monathe Madhay V. Marathe	<u>Dec 4</u> , 19 <u>1</u> 7
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State of:	Assignment Document Return SS. BLAKELY, SOKOLOFF, To 12400 Wilshire Blvd., Seven Los Angeles, CA 90025-16 (408) 720-8598	TAYLOR & ZAFMAN LLP enth Floor
On this day of the undersigned Notary Pul [] personally known to n person(s) whose name(s) executed it. WITNESS my hand and of	19, before me, blic, personally appeared ne [] proved to me on the basis of satist subscribed to the within instrume ficial seal.	actory evidence to be the ent, and acknowledged that
Notary's Signature		

Rev. 10/01/96 (A1)

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ASSIGNMENT

PATENT

No.: 81862.P080 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, David A. Hughes and Madhav V. Marathe hereby sell, assign, and transfer to <u>Cisco Technology Inc.</u> _____, having a principal place of business at a corporation of California 170 West Tasman Drive, San Jose, California 95134 , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled

DYNAMIC, RATE-BASED, WEIGHTED FAIR SCHEDULER WITH EXPLICIT RATE FEEDBACK OPTION

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors. assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Rev. 10/01/96 (A1)

Fach Inventory Places	Sign and Data Palares	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:	
Each Inventor: Please	Sign and Date Below:	$\int_{\Omega} \int_{\Omega} \int_{\Omega$	
Vec 4, 1997	VALUE .	1977 Date	
Date Dec. 4., 19 9 7 Date	David A Hughes Madhar Morathe Madhar V. Marathe	Dec 4, 1977 Date	
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State of:	Assignment Document Return SS. BLAKELY, SOKOLOFF, To 12400 Wilshire Blvd., Several Los Angeles, CA 90025-16 (408) 720-8598	TAYLOR & ZAFMAN LLP enth Floor	
On this day of 19, before me,, the undersigned Notary Public, personally appeared [] personally known to me [] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) subscribed to the within instrument, and acknowledged that executed it. WITNESS my hand and official seal.			
Notary's Signature			

Rev. 10/01/96 (A1)

RECORDED: 12/02/2002