07-08-2003



Barbara Liskov Dmitry Stavisky Stephen Jeffrey Morris Dan Li Cisco Technology, Inc.	1113	2490029
Barbara Liskov Dmitry Stavisky	To the Honorable Commissioner	
Street Address: 170 West Tasman Drive Security Agreement	Barbara Liskov Executed: June 16, 2003 Dmitry Stavisky Executed: June 10, 2003 Stephen Jeffrey Morris Executed: June 10, 2003	Name: Cisco Technology, Inc.
Assignment [] Merger Security Agreement [] Change of Name City: San Jose State: CA ZIP 95134-1706	Additional name(s) of conveying party(ies) attached? [] Yes [X]	
Other Execution Date: June 16, 2003, June 10, 2003, June 10, 2003, June 10, 2003, June 9, 2003 Additional name(s) & address(es) attached? [] Yes [X No June 9, 2003 June 10, 2003, June 10,		Street Address: 170 West Tasman Drive
Additional name(s) & address(es) attached? Tyes X No		City, Sumson
If this document is being filed together with a new application, the execution date of the application is: June 16, 2003, June 10, 2003, Jun	Execution Date: June16, 2003, June 10, 2003, June 10, 2003	Additional name(s) & address(es) attached? [] Yes [X] No
Name: Barry W. Chapin, Esq. 7. Total Fee (37 C.F.R. 3.41)	A. Patent Application No.(s) /2003 STEUMEL1 00000070 10602971 :8021 40.00 DP Additiona	B. Patent No.(s) B. Patent No.(s) al numbers attached? [] Yes [x] No
Internal Address: CHAPIN & HUANG, L.L.C. Street Address: Westborough Office Park 1700 West Park Drive City: Westborough State: MA ZIP: 01581 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. Barry W. Chapin, Esq. DAMA DAMA June 23, 2003	concerning document should be mailed:	
To West Park Drive To Westborough State: MA ZIP: 01581 City: Westborough State: MA ZIP: 01581 (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. Barry W. Chapin, Esq. Day W. Chapin, Esq.	Internal Address:	[X] Enclosed with application filing fee [X] Authorized to charge any deficiencies or credit any overpayment to deposit account
City: Westborough State: MA ZIP: 01581 (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. **Barry W. Chapin, Esq.** **Day W. Chapin, Esq.** **Day W. Chapin Space** **Do NOT USE THIS SPA		 '
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Barry W. Chapin, Esq.	9. Statement and signature. To the best of my knowledge and belief, the foregoing in	nformation is true and correct and any attached copy is a true copy of the original
AND THE PROPERTY AND TH	Barry W. Chapin, Esq. $\it M_{\it s}$	

Attorney Docket No.: CIS02-48(6638)

Joint

ASSIGNMENT

WHEREAS, we, Barbara Liskov, Dmitry Stavisky, Stephen Jeffrey Morris and Dan Li have invented a certain improvement in

METHODS AND APPARATUS FOR PERFORMING CONTENT DISTRIBUTION IN A CONTENT DISTRIBUTION NETWORK

described in an application for Letters Patent of the United States, the specification of which:

[X]	is being executed on even date United States Patent Office;	herewith and is about to be filed in the
[]	was filed on	_ as U.S. Application No
[]	was patented under U.S. Patent	No
WHEREAS, Cisco Technology, Inc. (hereinafter "ASSIGNEE"), a corporation		

WHEREAS, Cisco Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of California and having a usual place of business at 170 West Tasman Drive, San Jose, California 95134-1706 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

> PATENT REEL: 014232 FRAME: 0852

Attorney Docket No.: CIS02-48(6638)

-2-

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Barbara Liskov
Dated:
Inventor: Duc Hory Acutify Dmitry Stavisky
Dated: 06/16/2003
Inventor: 16th Jeff Morris
Dated: 6/(0/03
Inventor: Dan Li
Dated:

Attorney Docket No.: CIS02-48(6638)

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> PATENT REEL: 014232 FRAME: 0854

Attorney Docket No.: CIS02-48(6638)

-2-

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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Inventor: Barbara Leston Barbara Liskov
Barbara Liskov
Dated: June 16 2003
Inventor:
Dmitry Stavisky
Dated:
Inventor:
Stephen Jeffrey Morris
Dated:
Inventor:
Dan Li
Dated:

Attorney Docket No.: CIS02-48(6638)

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> PATENT REEL: 014232 FRAME: 0856

Attorney Docket No.: CIS02-48(6638)

-2-

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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Inventor:_	
_	Barbara Liskov
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Dated:	
Inventor:_	
	Dmitry Stavisky
Dated:	
Datou	
lovantari	
Inventor:_	Stephen Jeffrey Morris
	Ctophen comey meme
Dated:	
Inventor:_	KING MATT
	Dan Li
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PATENT RECORDED: 06/23/2003 REEL: 014232 FRAME: 0857