

1/15/03

01-23-2003



FORM PTO-1596
1-31-92

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102345165

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 50325-0744 (6763)

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):
Stewart Frederick Bryant, Kevin George Miles,
Ian Michael Charles Shand

Additional name(s) of conveying party(ies) attached? Yes

2. Name and address of receiving party(ies):
Name: Cisco Technology, Inc.

Internal Address: _____

Street Address: 170 West Tasman Drive

City: San Jose State/Country CA ZIP: 95134-1706

Additional name(s) & address(es) attached? Yes

U.S. PTO
10/346051
01/15/03

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 9, 2003

4. Application number(s) or patent number(s):
If the document is being filed together with a new application, the execution date of the application is: January 9, 2003
A. Patent Application No(s).
01/21/2003 DTESSEM1 00000002 10346051
05 FC:8021 40.00
B. Patent No(s).
10/346051

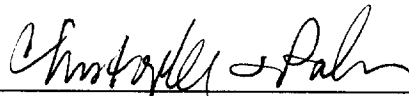
Additional numbers attached? Yes

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Hickman Palermo Truong & Becker LLP
Internal Address: _____
Street Address: 1600 Willow Street.
City: San Jose State: CA Zip: 95125

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 number:
50-1302

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.

Christopher J. Palermo, Reg. No. 42,056
 January 15, 2003

Name and Registration No. of Person Signing Signature Date
Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

Express Mail No. EV247735172US

PATENT
REEL: 013670 FRAME: 0608

ASSIGNMENT

WHEREAS I, STEWART FREDERICK BRYANT of Redhill, Surrey, United Kingdom, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHOD AND APPARATUS FOR DETERMINING A DATA COMMUNICATION NETWORK REPAIR STRATEGY, executed by me on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, Cisco Technology, Inc., a corporation of the State of California and having an address of 170 West Tasman Drive, San Jose, CA 95134-1706 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Cisco Technology, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Cisco Technology, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

9 Jan 2003
Date

Stewart Frederick Bryant
STEWART FREDERICK BRYANT

ASSIGNMENT

WHEREAS I, KEVIN GEORGE MILES of Reading, Berkshire, United Kingdom, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHOD AND APPARATUS FOR DETERMINING A DATA COMMUNICATION NETWORK REPAIR STRATEGY, executed by me on the date of execution of this document, as shown below, and filed concurrently herewith;

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NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Cisco Technology, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

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9 January 2003
Date

Kevin George Miles
KEVIN GEORGE MILES

NOTARY'S CERTIFICATION OF ASSIGNMENT

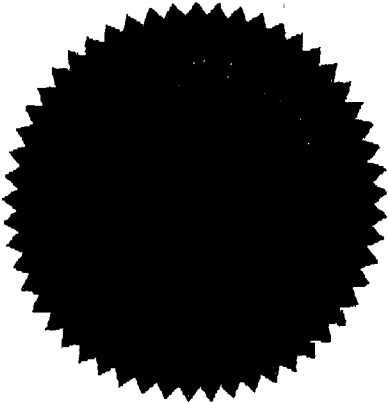
UXBRIDGE

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ENGLAND

On this 9th day of January, 2003, before me personally appeared KEVIN GEORGE MILES, who is personally known to me or has been proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the attached instrument and acknowledged to me that he executed the same in his authorised capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

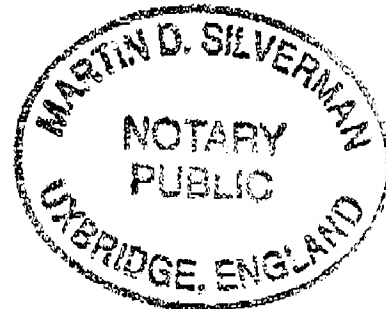
WITNESS my hand and official seal.



[Signature]
Notary Public

Address UXBRIDGE
ENGLAND

My commission expires AT DEATH



ASSIGNMENT

WHEREAS I, IAN MICHAEL CHARLES SHAND of Cobham, Surrey, United Kingdom, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHOD AND APPARATUS FOR DETERMINING A DATA COMMUNICATION NETWORK REPAIR STRATEGY, executed by me on the date of execution of this document, as shown below, and filed concurrently herewith;

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NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Cisco Technology, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Cisco Technology, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

9 Jan 2003
Date

Ian Michael Charles Shand
IAN MICHAEL CHARLES SHAND

