

1-3-06

RECORD/

01-10-2006

To the Honorable commissioner of Patents and
Please record the attached original document



306

1. Name of conveying party(ies):

Clarence Filsfils
Stewart Bryant
Ian Michael Charles Shan
David D. Ward
John Galen Scudder



103154404

iving party(ies):

Name: Cisco Technology, Inc.

Street Address: 170 West Tasman Drive

City: San Jose

Additional name(s) of conveying
party(ies) attached? Yes ☒ No

3. Nature of conveyance:

☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other

State: CA Zip: 95134

Additional name(s) & address(es)
Attached? Yes ☒ No

Execution Date: 11/24/05,11/28/05,12/6/05,12/7/05

4. Application number(s) or patent number(s): 11/254,609

If this document is being filed together with a new application, the execution
date of the application is: 11/24/05, 11/28/05, 12/6/05, 12/7/05

A. Patent Application No.(s)

B. Patent No. (s)

Additional numbers attached? Yes ☒ No5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: James M. Behmke

Street Address: Cesari and McKenna, LLP
88 Black Falcon Avenue
City: Boston State: MA Zip: 02210

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
Account8. Deposit account no. 03-1237 (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.

James M. Behmke, Reg. No. 51,448

Name of Person Signing

Signature

January 3, 2006

Date

Total number of pages comprising cover sheet

01/06/2006 WARDLRI 00000038 11554609 40.00 0P 02 FC:8021

ASSIGNMENT

Whereas We, Clarence Filsfils, whose residence address is 66, rue du Duc, 1150 Brussels, Belgium, Stewart Bryant, whose residence address is 250 Longwater Avenue, Green Park, Reading, United Kingdom, Mike Shand, whose residence address is 250 Longwater Avenue, Green Park, Reading, United Kingdom, David D. Ward, whose residence address is 32460 Loma Chiquita Rd, Los Gatos, CA 95033, and John Galen Scudder, whose residence address is 900 Spring Street, Ann Arbor, MI 48103, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled *A Method of Implementing a Backup Path in an Autonomous System*, identified by U.S. Patent Application Serial Number 11/254,609, which application was executed by us and filed on October 20, 2005; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

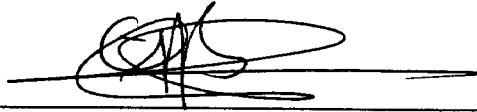
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and

enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

2005 11 24

Date

Clarence Filsfils, Inventor
DateStewart Bryant, Inventor
DateMike Shand, Inventor
DateDavid D. Ward, Inventor
DateJohn Galen Scudder, Inventor

ASSIGNMENT

Whereas We, Clarence Filsfils, whose residence address is 66, rue du Duc, 1150 Brussels, Belgium, Stewart Bryant, whose residence address is 154, London Road North, Merstham, Surrey, RH1 3AA, United Kingdom, Ian Michael Charles Shand, whose residence address is 58, Burleigh Park, COBHAM, Surrey, KT11 2DU, United Kingdom, Green Park, Reading, United Kingdom, David D. Ward, whose residence address is 32460 Loma Chiquita Rd, Los Gatos, CA 95033, and John Galen Scudder, whose residence address is 900 Spring Street, Ann Arbor, MI 48103, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled *A Method of Implementing a Backup Path in an Autonomous System*, identified by U.S. Patent Application Serial Number 11/254,609, which application was executed by us and filed on October 20, 2005; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions

and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

Date

Clarence Filsfils, Inventor

Date

Stewart Bryant, Inventor


Date

Ian Michael Charles Shand, Inventor

Date

David D. Ward, Inventor

Dec 7, 2005
Date



John Galen Scudder, Inventor

ASSIGNMENT

Whereas We, Clarence Filsfils, whose residence address is 66, rue du Duc, 1150 Brussels, Belgium, Stewart Bryant, whose residence address is 154, London Road North, Merstham, Surrey, RH1 3AA, United Kingdom, Ian Michael Charles Shand, whose residence address is 58, Burleigh Park, COBHAM, Surrey, KT11 2DU, United Kingdom, Green Park, Reading, United Kingdom, David D. Ward, whose residence address is 32460 Loma Chiquita Rd, Los Gatos, CA 95033, and John Galen Scudder, whose residence address is 900 Spring Street, Ann Arbor, MI 48103, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled *A Method of Implementing a Backup Path in an Autonomous System*, identified by U.S. Patent Application Serial Number 11/254,609, which application was executed by us and filed on October 20, 2005; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions

and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

Date

Clarence Filsfils, Inventor

22 - Nov - 2005
Date

Stewart Bryant
Stewart Bryant, Inventor

28 Nov 2005
Date

Ian Michael Charles Shand
Ian Michael Charles Shand, Inventor

Date

David D. Ward, Inventor

Date

John Galen Scudder, Inventor

ASSIGNMENT

Whereas We, Clarence Filsfils, whose residence address is 66, rue du Duc, 1150 Brussels, Belgium, Stewart Bryant, whose residence address is 154, London Road North, Merstham, Surrey, RH1 3AA, United Kingdom, Ian Michael Charles Shand, whose residence address is 58, Burleigh Park, COBHAM, Surrey, KT11 2DU, United Kingdom, Green Park, Reading, United Kingdom, David D. Ward, whose residence address is 32460 Loma Chiquita Rd, Los Gatos, CA 95033, and John Galen Scudder, whose residence address is 900 Spring Street, Ann Arbor, MI 48103, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled *A Method of Implementing a Backup Path in an Autonomous System*, identified by U.S. Patent Application Serial Number 11/254,609, which application was executed by us and filed on October 20, 2005; and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions

and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

Date

Clarence Filsfils, Inventor

Date

Stewart Bryant, Inventor

Date

Ian Michael Charles Shand, Inventor

2005.12.06

Date



David D. Ward, Inventor

Date

John Galen Scudder, Inventor