PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2656776

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| VIJAYNARAYANAN SUBRAMANIAN | 12/17/2013 |
| DOUGLAS CHAN | 12/17/2013 |
| ASHOK KRISHNAJI MOGHE | 12/17/2013 |
| RONG PAN | 12/17/2013 |
| FLAVIO BONOMI | 12/19/2013 |

RECEIVING PARTY DATA

| Name: | Cisco Technology, Inc. | |
|-----------------|------------------------|--|
| Street Address: | 170 West Tasman Drive | |
| City: | San Jose | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 95134-1706 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14136062 |

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: LEON R. TURKEVICH Address Line 1: 2000 M STREET, N.W.

Address Line 2: SUITE 700

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20036-3307

| ATTORNEY DOCKET NUMBER: | 10-279 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | LEON R. TURKEVICH |
| | PAIENI |

502610329 REEL: 031827 FRAME: 0833

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| Signature: | /Leon R. Turkevich #34035/ |
|--|--|
| Date: | 12/20/2013 |
| Total Attachments: 6 source=10-279_Assignment_Annotated#parsource=10-2 | ge2.tif ge3.tif ge4.tif ge5.tif |

PATENT REEL: 031827 FRAME: 0834 Docket No.: 10-279

Application No. 14/136,062, filed December 20, 2013 <u>ASSIGNMENT</u>

WHEREAS WE, VIJAYNARAYANAN SUBRAMANIAN of San Jose, California, DOUGLAS CHAN of San Jose, California, ASHOK KRISHNAJI MOGHE of Pleasanton, California, RONG PAN of Saratoga, California, and FLAVIO BONOMI of Palo Alto, California, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DYNAMIC CODING FOR NETWORK TRAFFIC BY FOG COMPUTING NODE, executed by us 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 causes 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.

The undersigned hereby authorize(s) Leon R. Turkevich of 2000 M Street N.W., Suite 700, Washington, DC 20036 (and the attorneys of USPTO Customer No. 23164) to insert hereon any further identification necessary or desirable for recordation of this document.

| 12/17/2013 | Wyr > |
|--------------------------|----------------------------|
| Date | VIJAYNARAYANAN SUBRAMANIAN |
| Date Witness 1 Signature | Date Witness 2 Signature |
| Witness 1 Printed Name | Witness 2 Printed Name |

Assignment Page 1 of 3

| Docket | No.: | 10-279 |
|--------|------|--------|
| IMMEL | 110. | 10-21/ |

Application No. 14/136,062, filed December 20, 2013

| Date | DOUGLAS CHAN | |
|--------------------------|--------------------------|--|
| Date Witness 1 Signature | Date Witness 2 Signature | |
| Witness 1 Printed Name | Witness 2 Printed Name | |
| 12/17/2013 Date | ASHOK KRISHNAJI MOGHE | |
| Date Witness 1 Signature | Date Witness 2 Signature | |
| Witness 1 Printed Name | Witness 2 Printed Name | |
| 12/17/2013 Date | RONG PAN | |
| Date Witness 1 Signature | Date Witness 2 Signature | |
| Witness 1 Printed Name | Witness 2 Printed Name | |

| Docket No.: 10-279 | Application No. 14/136,062, filed December 20, 2013 | |
|--------------------------|---|--|
| Date | FLAVIO BONOMI | |
| Date Witness 1 Signature | Date Witness 2 Signature | |
| Witness 1 Printed Name | Witness 2 Printed Name | |

Docket No.: 10-279

ASSIGNMENT

WHEREAS WE, VIJAYNARAYANAN SUBRAMANIAN of San Jose, California, DOUGLAS CHAN of San Jose, California, ASHOK KRISHNAJI MOGHE of Pleasanton, California, RONG PAN of Saratoga, California, and FLAVIO BONOMI of Palo Alto, California, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DYNAMIC CODING FOR NETWORK TRAFFIC BY FOG COMPUTING NODE, executed by us 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 causes 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.

The undersigned hereby authorize(s) Leon R. Turkevich of 2000 M Street N.W., Suite 700, Washington, DC 20036 (and the attorneys of USPTO Customer No. 23164) to insert hereon any further identification necessary or desirable for recordation of this document.

| Date | VIJAYNARAYANAN SUBRAMANIAN |
|--------------------------|----------------------------|
| | |
| | |
| | |
| Date Witness 1 Signature | Date Witness 2 Signature |
| | |
| Witness I Printed Name | Witness 2 Printed Name |

Assignment Page 1 of 3

PATENT

REEL: 031827 FRAME: 0838

| 12/17/2013 | |
|--------------------------|---------------------------|
| Date | DOUGLAS CHAN |
| Date Witness 1 Signature | Date Witness 2 Signature |
| Witness 1 Printed Name | Witness 2 Printed Name |
| Date | ASHOK KRISHNAJI MOGHE |
| Date Witness 1 Signature | Date Witness 2 Signature |
| Witness 1 Printed Name | Witness 2 Printed Name |
| Date | RONG PAN |
| Date Witness 1 Signature | Date: Witness 2 Signature |
| Witness I Printed Name | Witness 2 Printed Name |

Assignment Page 2 of 3

Docket No.: 10-279

Application No. 14/136,062, filed December 20, 2013

Douglas CHAN Witness I Printed Name

FLAVIO BONOMI

12/19/13 Jan J. Borrows

Date Witness 2-Signature

Witness 2 Printed Name

Assignment Page 3 of 3

REEL: 031827 FRAME: 0840

RECORDED: 12/20/2013