PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL JOSEPH STEPANEK	09/15/2016
COSTAS KLEOPA	09/14/2016
DAVID MCGREW	07/09/2019
BLAKE HARRELL ANDERSON	09/14/2016
SARAVANAN RADHAKRISHNAN	09/15/2016

RECEIVING PARTY DATA

Name: CISCO TECHNOLOGY, INC.	
Street Address: 170 WEST TASMAN DRIVE	
City: SAN JOSE	
State/Country: CALIFORNIA	
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17727087

CORRESPONDENCE DATA

Fax Number: (617)507-3061

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6179131996

Email: patent@bigiplaw.com, alexandra.goodwin@bigiplaw.com

Correspondent Name: BEHMKE INNOVATION GROUP LLC
Address Line 1: ONE MARINA PARK DRIVE, SUITE 1410
Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER: 0140911.C4\$

NAME OF SUBMITTER: JONATHON P. WESTERN

SIGNATURE: /Jonathon P. Western/

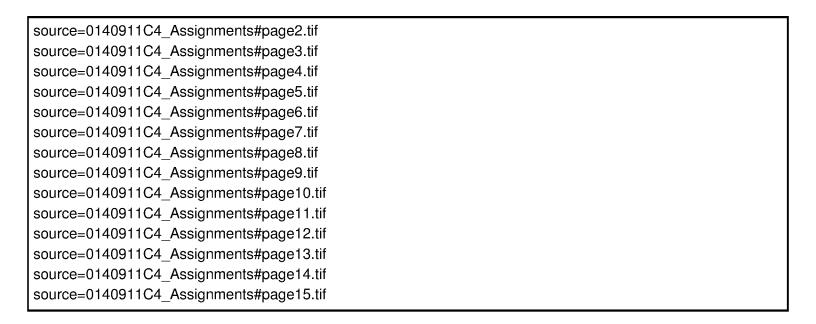
DATE SIGNED: 04/22/2022

Total Attachments: 15

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PATENT REEL: 059681 FRAME: 0549

EPAS ID: PAT7293978



THIS ASSIGNMENT, made by Michael Joseph Stepanek; Costas Kleopa;
David McGrew; Blake Harrell Anderson; and Saravanan Radhakrishnan (hereinafter referred to as Assignors), residing at 8522 Clarkson Drive, Fulton, Maryland 20759; 11505 Blue Flame Court, Clarksville, Maryland 21029; 14 Hackett Court, Poolesville, Maryland 20837; 1432 West San Carlos Street, Apt. 368, San Jose, California 95126; and 21, Ukn Esperanza, Old-Airport Road, Thubarahalli, Whitefield, Bangalore-560066, INDIA, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in ON-BOX BEHAVIOR-BASED TRAFFIC CLASSIFICATION, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Cisco Technology, Inc., a Corporation organized under and pursuant to the laws of California having its principal place of business at 170 West Tasman Drive, San Jose, California 95134 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee. Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 126982

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:	9/15/2016	Signature:	1/1/1/4
Date:		Sianston.	Michael Joseph Stepanek
Listo.		Signature:	Cosias Kieopa
Date:		Signature:	David McGrew
Date:		Signature:	Blake Harrell Anderson
Date:		Signature:	Saravanen Radhakrishnan

THIS ASSIGNMENT, made by Michael Joseph Stepanek; Costas Kleopa;
David McGrew; Blake Harrell Anderson; and Saravanan Radhakrishnan (hereinafter referred to as Assignors), residing at \$522 Clarkson Drive, Fulton, Maryland 20759; 11505 Blue Flame Court, Clarksville, Maryland 20037; 1432
West San Carlos Street, Apt. 368, San Jose, California 95126; and 21, Ukn Esperanza,
Old-Airport Road, Thubarahalli, Whitefield, Bangalore-560066, INDIA, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in ON-BOX BEHAVIOR-BASED TRAFFIC CLASSIFICATION, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Cisco Technology, Inc., a Corporation organized under and pursuant to the laws of California having its principal place of business at 170 West Tasman Drive, San Jose, California 95134 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged. Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee. Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 126982

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:		Signature:	Michael Joseph Stepanek
Date:	9/14/2016	Signature:	Costas Kieopa
Date:		Signature:	David McGrew
Date:		Signature:	Blake Harrell Anderson
Date:		Signature:	Sarsvanan Radhakrishnan

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ASSIGNMENT

WHEREAS, I/we the undersigned inventor(s) (hereinafter "ASSIGNOR(S)") have invented certain new and useful improvements as set forth in the patent application entitled:

ON-BOX BEHAVIOR-BASED TRAFFIC CLASSIFICATION

□ which is being filed herewith
⊠which was filed on Nov. 17, 2016 as United States Patent Application No. 15/353,940
(hereinafter the "Application").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the ASSIGNOR(S):

Have assigned, transferred and set over, and by these presents do hereby assign, transfer and set over, unto **Cisco Technology, Inc.**, a California corporation having a place of business at 170 West Tasman Drive, San Jose, California 95134-1706 (hereinafter "ASSIGNEE") and its successors and assigns, each ASSIGNOR's entire right, title, and interest in, to, and under, the Application and any and all improvements disclosed in the Application, as well as any and all other applications that may be based upon, and patent(s) which may be granted upon, the information that is disclosed in the Application, throughout the World, including without prejudice to the generality of the foregoing:

the right to file applications and to obtain patents or like protection (including, e.g., utility models, inventors' certificates, and/or designs) for the improvements in any country throughout the World, including the right to claim priority from any such application; and any and all provisional, non-provisional, divisional, continuing (whether a continuation or a continuation in part), substitute, renewal, reissue, and other applications for Letters Patent which have been or shall be filed in any country on any of the improvements; and in and to all original and reissued patents which have been or shall be filed in any country on any of the improvements;

- 2) Authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, as applicable, to issue the same to ASSIGNEE and its successors and assigns, in accordance with the terms of the instrument;
- 3) Covenant and agree, when requested and at no charge to, but at the expense of, ASSIGNEE and its successors and assigns, to: execute all applications for the improvements (including without limitation any and all provisional, non-provisional, divisional, continuing (whether a continuation or a continuation in part), substitute, renewal, reissue, and other patent applications); execute all

rightful oaths, assignments, powers of attorney and other papers; communicate to ASSIGNEE, its successors, assigns, and legal representatives, all facts known to the undersigned relating to the improvements and the history thereof, and perform any acts that ASSIGNEE, its successors, assigns or legal representatives consider reasonably necessary for securing and maintaining proper patent protection for the improvements, for vesting title to the improvements and all patent applications and patents for the improvements, in ASSIGNEE and its successors and assigns, and for enforcing the rights of ASSIGNEE and its successor and assigns, in and to any or all of the improvements and any application(s) or patent(s) therefor:

- 4) Covenant and agree that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.
- 5) Covenant and agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon me/us and my/our heirs, assigns, and legal representatives.
- 6) Covenant and agree that this assignment and any action, suit, proceeding or claim arising under or relating to this assignment will be governed, interpreted, construed, and enforced in all respects in accordance with the laws of the State of California and by any controlling Federal U.S. law with respect to the subject matter, without reference to its choice of law principles to the contrary.
- 7) Authorize a representative of BEHMKE INNOVATION GROUP LLC, One International Place, Suite 1400, Boston, MA 02110, Customer No. 126982, to insert in the blanks above the filing date and application number of the Application when known.

Typed Name: Michael Joseph Ste Address: 8522 Clarkson Drive, F	
Signature: Typed Name: - Costas Kleopa Address: - 11505 Blue Flame Cour	
Signature: Typed Name: David McGrew	C.J. pac. 1119

Address: 14 Hackett Court, Prodesville, Maryland 20837

Atty. Docket No.: CPOL 1004712-US.01 / 0140911.U

Signature:		Date:
Typed Name:	Blake Harrell Anderson	
Address: 377	Booth Road, Chapel Hill, North Carolina	25716
Signature:		Date:
Typed Name:	Saravanan Radhakrishnan	
Address: 21,	Ukn Esperanza, Old-Airport Road, Thuba	rahalli, Whitefield,
Ban	galore 560066 INDIA	

THIS ASSIGNMENT, made by Michael Joseph Stepanek; Costas Kleopa; David McGrew; Blake Harrell Anderson; and Saravanan Radhakrishnan (hereinafter referred to as Assignors), residing at 8522 Clarkson Drive, Fulton, Maryland 20759; 11505 Blue Flame Court, Clarksville, Maryland 21029; 14 Hackett Court, Poolesville, Maryland 20837; 1432 West San Carlos Street, Apt. 368, San Jose, California 95126; and 21, Ukn Esperanza, Old-Airport Road, Thubarahalli, Whitefield, Bangalore-560066, INDIA, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in ON-BOX BEHAVIOR-BASED TRAFFIC CLASSIFICATION, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Cisco Technology, Inc., a Corporation organized under and pursuant to the laws of California having its principal place of business at 170 West Tasman Drive, San Jose, California 95134 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 126982

AND Assignors acknowledge an obligation of assignment of this invention to Assignce at the time the invention was made.

Date:		Signature:	Michael Joseph Stepanek
Date:		Signature:	Costas Kleopa
Date:	······	Signature:	David McGrew
Date:	9/14/2016	Signature:	Blake Harrell Anderson
Date:		Signature:	Sarayanan Radhakrishnan

THIS ASSIGNMENT, made by Michael Joseph Stepanek; Costas Kleopa;
David McGrew; Blake Harrell Anderson; and Saravanan Radhakrishnan (hereinafter referred to as Assignors), residing at 8522 Clarkson Drive, Fulton, Maryland 20759; 11505 Blue Flame Court, Clarksville, Maryland 21029; 14 Hackett Court, Poolesville, Maryland 20837; 1432 West San Carlos Street, Apt. 368, San Jose, California 95126; and 21, Ukn Esperanza, Old-Airport Road, Thubarahalli, Whitefield, Bangalore-560066, INDIA, respectively;

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PARKER IBRAHIM & BERG LLC

All practitioners at Customer Number 126982

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:	Annual Control of the	Signature:	Michael Joseph Stepanek
Date:		Signature:	Costa: Kleopa
Date	, annumental annumental annumental annumental annumental annumental annumental annumental annumental annumenta	Signature)	David McGrew
Date:		Signature:	Blake Harrell Anderson
Date:	09/15/2016	Signature:	Sarayanan Radhakrishaan

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