

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5881568

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HUY PHUONG TRAN	10/30/2019
XU ZHANG	10/31/2019
SANTOSH GHANSHYAM PANDEY	10/31/2019
HUGO LATAPIE	10/31/2019
ABHISHEK MUKHERJI	10/29/2019
ENZO FENOGLIO	10/30/2019
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:	16724751
CORRESPONDENCE DATA	
Fax Number:	(617)507-3061
<i>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.</i>	
Phone:	617-913-1996
Email:	patent@bigiplaw.com, alexandra.goodwin@bigiplaw.com
Correspondent Name:	BEHMKE INNOVATION GROUP LLC
Address Line 1:	ONE INTERNATIONAL PLACE
Address Line 2:	SUITE 1400
Address Line 4:	BOSTON, MASSACHUSETTS 02110
ATTORNEY DOCKET NUMBER:	0141414.U
NAME OF SUBMITTER:	KENNETH J. HEYWOOD
SIGNATURE:	/Kenneth J. Heywood/
DATE SIGNED:	12/23/2019

Total Attachments: 18

source=0141414U_AssignmentsFILED#page1.tif
source=0141414U_AssignmentsFILED#page2.tif
source=0141414U_AssignmentsFILED#page3.tif
source=0141414U_AssignmentsFILED#page4.tif
source=0141414U_AssignmentsFILED#page5.tif
source=0141414U_AssignmentsFILED#page6.tif
source=0141414U_AssignmentsFILED#page7.tif
source=0141414U_AssignmentsFILED#page8.tif
source=0141414U_AssignmentsFILED#page9.tif
source=0141414U_AssignmentsFILED#page10.tif
source=0141414U_AssignmentsFILED#page11.tif
source=0141414U_AssignmentsFILED#page12.tif
source=0141414U_AssignmentsFILED#page13.tif
source=0141414U_AssignmentsFILED#page14.tif
source=0141414U_AssignmentsFILED#page15.tif
source=0141414U_AssignmentsFILED#page16.tif
source=0141414U_AssignmentsFILED#page17.tif
source=0141414U_AssignmentsFILED#page18.tif

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:

IMAGE-BASED FRAMEWORK FOR IMPROVING LOCATION ESTIMATE ACCURACY IN INDOOR POSITIONING SYSTEMS

☒ which is being filed herewith

☐ which was filed on _____ as U S Patent Application No

(hereinafter the "Application").

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

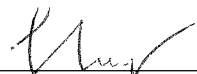
- 1) Have assigned, transferred and set over, and by these presents do hereby assign, transfer and set over, unto **Cisco Technology, Inc.**, a California corporation having a place of business at 170 West Tasman Drive, San Jose, California 95134-1706 (hereinafter "ASSIGNEE") and its successors and assigns, 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.

Signature



Date 10/30/2019

Typed Name: **Huy Phuong TRAN**

Address **532 Brisa Suave Cmn
Milpitas, CA 95035
UNITED STATES**

Signature:



Date _____

Typed Name: **Xu ZHANG**

Address. **550 Moreland Way, Apt. 2714
Santa Clara, CA 95054
UNITED STATES**

Signature _____ Date _____
Typed Name **Santosh Ghanshyam PANDEY**
Address **3166 Washington Boulevard**
Fremont, CA 94539
UNITED STATES

Signature _____ Date. _____
Typed Name. **Hugo LATAPIE**
Address **35 East Neapolitan Lane**
Long Beach, CA 90803
UNITED STATES

Signature. _____ Date. _____
Typed Name **Abhishek MUKHERJI**
Address: **2080 Country Drive**
Fremont, CA 94536
UNITED STATES

Signature. _____ Date _____
Typed Name **Enzo FENOGLIO**
Address **28, Rue Champ Chardon**
Issy-les-Moulineaux 92130
FRANCE



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:

IMAGE-BASED FRAMEWORK FOR IMPROVING LOCATION ESTIMATE ACCURACY IN INDOOR POSITIONING SYSTEMS

☒ which is being filed herewith

☐ which was filed on _____ as U.S. Patent Application No.

(hereinafter the "Application").

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

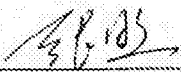
- 1) Have assigned, transferred and set over, and by these presents do hereby assign, transfer and set over, unto **Cisco Technology, Inc.**, a California corporation having a place of business at 170 West Tasman Drive, San Jose, California 95134-1706 (hereinafter "ASSIGNEE") and its successors and assigns, 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.

Signature: _____ Date: _____
Typed Name: **Huy Phuong TRAN**
Address: **532 Brisa Suave Cmn**
Milpitas, CA 95035
UNITED STATES

Signature:  _____ Date: 10/31/2019
Typed Name: **Xu ZHANG**
Address: **2000 Walnut Ave, Apt. J304**
Fremont, CA 94538
UNITED STATES

Signature: _____ Date: _____
Typed Name: **Santosh Ghanshyam PANDEY**
Address: **3166 Washington Boulevard**
Fremont, CA 94539
UNITED STATES

Signature: _____ Date: _____
Typed Name: **Hugo LATAPIE**
Address: **35 East Neapolitan Lane**
Long Beach, CA 90803
UNITED STATES

Signature: _____ Date: _____
Typed Name: **Abhishek MUKHERJI**
Address: **2080 Country Drive**
Fremont, CA 94536
UNITED STATES

Signature: _____ Date: _____
Typed Name: **Enzo FENOGLIO**
Address: **28, Rue Champ Chardon**
Issy-les-Moulineaux 92130
FRANCE



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:

IMAGE-BASED FRAMEWORK FOR IMPROVING LOCATION ESTIMATE ACCURACY IN INDOOR POSITIONING SYSTEMS

☒ which is being filed herewith

☐ which was filed on _____ as U.S. Patent Application No. _____

(hereinafter the "Application").

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

- 1) 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;

PATENT

REEL: 051354 FRAME: 0356

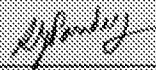
- 3) Covenant and agree, when requested and at no charge to, but at the expense of, ASSIGNEE and its successors and assigns, to: execute all applications for the improvements (including without limitation any and all provisional, non-provisional, divisional, continuing (whether a continuation or a continuation 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.

Signature: _____
Typed Name: **Huy Phuong TRAN**
Address: **14190 SW Allen Blvd., Apt. 2**
Beaverton, OR 97005
UNITED STATES

Date: _____

Signature: _____
Typed Name: **Xu ZHANG**
Address: **550 Moreland Way, Apt. 2714**
Santa Clara, CA 95054
UNITED STATES

Date: _____

Signature: 
Typed Name: **Santosh Ghanshyam PANDEY**
Address: **3166 Washington Boulevard**
Fremont, CA 94539
UNITED STATES

Date: 10/31/2019

Signature: _____
Typed Name: **Hugo LATAPIE**
Address: **35 East Neapolitan Lane**
Long Beach, CA 90803
UNITED STATES

Date: _____

Signature: _____
Typed Name: **Abhishek MUKHERJI**
Address: **2080 Country Drive**
Fremont, CA 94536
UNITED STATES

Date: _____

Signature: _____
Typed Name: **Enzo FENOGLIO**
Address: **28, Rue Champ Chardon**
Issy-les-Moulineaux 92130
FRANCE

Date: _____



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:

IMAGE-BASED FRAMEWORK FOR IMPROVING LOCATION ESTIMATE ACCURACY IN INDOOR POSITIONING SYSTEMS

☒ which is being filed herewith

☐ which was filed on _____ as U S Patent Application No

(hereinafter the "Application").

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

- 1) 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;

PATENT

REEL: 051354 FRAME: 0359

- 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

Signature: _____

Date. _____

Typed Name: **Huy Phuong TRAN**

Address: **532 Brisa Suave Cmn
Milpitas, CA 95035
UNITED STATES**

Signature: _____

Date: _____

Typed Name: **Xu ZHANG**

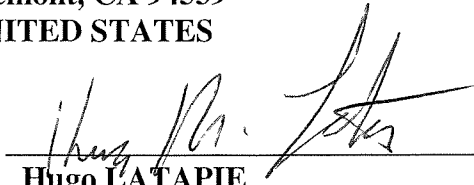
Address **2000 Walnut Ave, Apt. J304
Fremont, CA 94538
UNITED STATES**

PATENT

REEL: 051354 FRAME: 0360

Signature _____
Typed Name: **Santosh Ghanshyam PANDEY**
Address: **3166 Washington Boulevard**
Fremont, CA 94539
UNITED STATES

Date: _____

Signature: 
Typed Name: **Hugo LATAPIE**
Address: **35 East Neapolitan Lane**
Long Beach, CA 90803
UNITED STATES

Date: 10/31/2019

Signature: _____
Typed Name: **Abhishek MUKHERJI**
Address: **2080 Country Drive**
Fremont, CA 94536
UNITED STATES

Date: _____

Signature _____
Typed Name: **Enzo FENOGLIO**
Address: **28, Rue Champ Chardon**
Issy-les-Moulineaux 92130
FRANCE

Date: _____

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:

IMAGE-BASED FRAMEWORK FOR IMPROVING LOCATION ESTIMATE ACCURACY IN INDOOR POSITIONING SYSTEMS

☒ which is being filed herewith

☐ which was filed on _____ as U.S. Patent Application No.

_____ (hereinafter the "Application").

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

- 1) 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.

Signature: _____

Date: _____

Typed Name: **Huy Phuong TRAN**

Address: **14190 SW Allen Blvd., Apt. 2**

Beaverton, OR 97005

UNITED STATES

Signature: _____

Date: _____

Typed Name: **Xu ZHANG**

Address: **550 Moreland Way, Apt. 2714**

Santa Clara, CA 95054

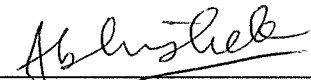
UNITED STATES

Signature: _____
Typed Name: **Santosh Ghanshyam PANDEY**
Address: **3166 Washington Boulevard**
Fremont, CA 94539
UNITED STATES

Date: _____

Signature: _____
Typed Name: **Hugo LATAPIE**
Address: **35 East Neapolitan Lane**
Long Beach, CA 90803
UNITED STATES

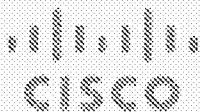
Date: _____

Signature:  _____
Typed Name: **Abhishek MUKHERJI**
Address: **2080 Country Drive**
Fremont, CA 94536
UNITED STATES

Date: 10-29-19

Signature: _____
Typed Name: **Enzo FENOGLIO**
Address: **28, Rue Champ Chardon**
Issy-les-Moulineaux 92130
FRANCE

Date: _____



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:

IMAGE-BASED FRAMEWORK FOR IMPROVING LOCATION ESTIMATE ACCURACY IN INDOOR POSITIONING SYSTEMS

☒ which is being filed herewith

☐ which was filed on _____ as U.S. Patent Application No.

_____ (hereinafter the "Application").

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

- 1) 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.

Signature: _____

Date: _____

Typed Name: **Huy Phuong TRAN**

Address: **14190 SW Allen Blvd., Apt. 2**

Beaverton, OR 97005

UNITED STATES

Signature: _____

Date: _____

Typed Name: **Xu ZHANG**

Address: **550 Moreland Way, Apt. 2714**

Santa Clara, CA 95054

UNITED STATES

Signature: _____
Typed Name: Santosh Ghanshyam PANDEY
Address: 3166 Washington Boulevard
Fremont, CA 94539
UNITED STATES

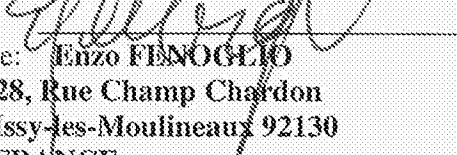
Date: _____

Signature: _____
Typed Name: Hugo LATAPIE
Address: 35 East Neapolitan Lane
Long Beach, CA 90803
UNITED STATES

Date: _____

Signature: _____
Typed Name: Abhishek MUKHERJI
Address: 2080 Country Drive
Fremont, CA 94536
UNITED STATES

Date: _____

Signature:  _____
Typed Name: Enzo FENOGLIO
Address: 28, Rue Champ Chardon
Issy-les-Moulineaux 92130
FRANCE

Date: Oct 30 2019