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| \mathbf{J} | To the honorable Commissioner of Patono - | 1031 | <u>33</u> | 092 | iginal documents | | • | |
| 0 | 1. Name of conveying party(ies): Bretton Lee Douglas Arnold M. Bilstad Daryl A. Kaiser Timothy S. Olson Sheausong Yang David E. Halasz Richard D. Rebo | | 2. | Name and audica Name: <u>Cisco Tec</u> Internal Address | hnology, Inc. | | | |
| 2 | John Z. Deng Jonathan S. Leary | | | | | | BT(| |
| - | Additional name(s) of conveying party(ies) attached? | | - | | | | 0 <u>0</u> | 05 |
| ſ | 3. Nature of conveyance: | | - | | | | ۍ ۲ ۵۵ | |
| | X Assignment Merger | | | Street Address: | Mail Stop S IC | 10/2/1 | 11/ | |
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| | Execution Date: ¥ Nov 21 2005 | | Add | City: <u>San Jose</u> litional name(s) & ac | _ State: <u>CA</u> Idress(es) | Zip: <u>95</u> Yes X | No | |
| ŀ | 4. Application number(s) or patent number(s): | | | | | | | · . |
| | If this document is being filed together with a new application, the | execution | n dət | e of the application | is X | | | |
| | A. Patent Application No.(s) | | | nt No.(s) | <u>.</u> | | | |
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| | Additional numbers att 5. Name and address of party to whom correspondence | ł tached? [| | Yes X No | | | | |
| | concerning document should be mailed: | 6. Tota | al nu | mber of applicatio | ons and patent | s | 1 | |
| | Name: Dov Rosenfeld | involve | d: | | | | | |
| | Inventek | 7. Tota | al fe | e (37 CFR 3.41) | | \$40.00 |) | |
| | Internal Address: | X |] Er | nclosed as Credit | Card Charge F | orm | | |
| | | X |] Aı | uthorized to be cha | arged to depos | sit account | | |
| | Street Address: 5507 College Avenue, Suite 2 | 8. Deposit account number: | | | | | | |
| | City: <u>Oakland</u> State: <u>CA</u> Zip: <u>94618</u> | <u>50</u> | -029 | 92 | | | | |
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| | Statement and signature. To the best of my knowledge and belief, the foregoing int Is a true copy of the original document. | formation | n is t | rue and correct ar | nd any attache | d copy | | |
| | Dov Rosenfeld | | | | Nov | <u> </u> | -205 | |
| | Name of Person Signing Total number of pages including cover sheet, | Signatu | | and documenter | Date | - | | |
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| | Mail Stop Assignment, Commissio | oner for Pate | nts, P. | O. Box 1450, Alexandria, | , VA 22313-1450 | | | |
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NOV-21-05 17:41 From:

Assignment Page 1

T-636 P.01 Job-847

Docket/Ref. No. CISCO-9998

Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology</u>. Inc., a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAG LOCATION, CLIENT LOCATION, AND COVERAGE HOLE LOCATION IN A WIRELESS NETWORK

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked ______ and filed on _______, as Application Serial No. ______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Sm2 Day

11/21/200 S

Inventor's Printed Name: Bretton Lee Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature B- U.S.

Printed Name of Witness: BRIAN HART

Page 1 of 4

Docket/Ref. No. CISCO-9998

| TIMOTHY S. OLSON: | |
|--|--|
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| I math & all | 1/21/2005 |
| Inventor's Signature | DATE |
| inventor's Signature | - olson |
| assignment before me/us. The above named indivisatisfactory evidence to be the same individual windividual acknowledged to me/us that he/she explore the same individual acknowledged to m | onally came the above named <u>Timothy S. Olson</u> and executed the foregoing vidual is personally known by me/us or proved to me/us on the basis of who executed the foregoing assignment before me/us. The above named secuted the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: BRIAN HART |
| DAVID E. HALASZ: | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: David E. Halasz | |
| | who executed the foregoing assignment before mc/us. The above named accuted the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: |
| JOHN Ż. DENG: | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: <u>John Z. Deng</u> | |
| Witness statement: On the date above person assignment before me/us. The above named indi- satisfactory evidence to be the same individual v | onally came the above named John Z. Deng and executed the foregoing ividual is personally known by me/us or proved to me/us on the basis of who executed the foregoing assignment before me/us. The above named accuted the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: |
| | Page 2 of 4 |

NOV-21-05 17:41 From:

T-636 P.03/08 Job-847

Docket/Ref. No. CISCO-9998

ARNOLD M. BILSTAD:

Inventor's Signature

Assignment Page 3

DATE

Inventor's Printed Name: Arnold M. Bilstad

Witness statement: On the date above personally came the above named <u>Arnold M. Bilstad</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

11/21/2005

SHEAUSONG YANG:

Inventor's Signature

Inventor's Printed Name: Sheausong Yang

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness Signature | Str. G. | Gransella | Printed Name of Witness: Strven A. Granzell | Ø |
|-------------------|---------|---------------|---|---|
| - | 7 | \mathcal{O} | | |

RICHARD D. REBO:

Inventor's Signature

DATE

Richard D. Rebo Inventor's Printed Name

Witness statement: On the date above personally came the above named <u>Richard D. Rebo</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness: _____

Page 3 of 4

NOV-21-05 17:42 From:

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Assignment Page 4

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Docket/Ref. No. CISCO-9998

JONATHAN S. LEARY:

Inventor's Signature

DATE

Inventor's Printed Name: Jonathan S. Leary

Witness statement: On the date above personally came the above named <u>Jonathan S. Leary</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness Signature | Printed Name of Witness: | |
|----------------------|--------------------------|----------|
| DARYL A. KAISER: | | <u> </u> |
| Inventor's Signature | DATE | |
| | | |

Witness statement: On the date above personally came the above named <u>Daryl A. Kaiser</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Inventor's Printed Name: Daryl A. Kaiser

Printed Name of Witness: _____

Page 4 of 4

Assignment Page 1

Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology</u>, Inc., a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAG LOCATION. CLIENT LOCATION, AND COVERAGE HOLE LOCATION IN A WIRELESS NETWORK

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked ______ and filed on ______, as Application Serial No. ______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominces as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignce, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may benefit the substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

DATE

Inventor's Printed Name: Bretton Lce Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

| Assignment Page 2 | Dockel/Ref. No. CISCO-9998 |
|---|---|
| | |
| TIMOTHY S. OLSON: | |
| | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: | |
| assignment before me/us. The above names satisfactory evidence to be the same individ | e personally came the above named <u>Timothy S. Olson</u> and executed the foregoing d individual is personally known by me/us or proved to me/us on the basis of fual who executed the foregoing assignment before me/us. The above named she executed the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: |
| | |
| DAVID E. HALASZ; | |
| | |
| | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: <u>David E. Halasz</u> | <u>. </u> |
| assignment before me/us. The above name satisfactory evidence to be the same individ | e personally came the above named <u>David E. Halasz</u> and executed the foregoing d individual is personally known by me/us or proved to me/us on the basis of dual who executed the foregoing assignment before me/us. The above named she executed the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: |
| JOIIN Z. DENG: | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: John Z. Deng | |
| assignment before me/us. The above name satisfactory evidence to be the same individ | personally came the above named John Z. Deng and executed the foregoing d individual is personally known by me/us or proved to me/us on the basis of dual who executed the foregoing assignment before me/us. The above named she executed the same of his/her own free will for the use and purposes therein set |
| | |

Page 2 of 4

Assignment Page 3

Witness Signature

ARNOLD M. BILSTAD:

 Inventor's Signature
 DATE

 Inventor's Printed Name: Arnold M. Bilstad

 Witness statement: On the date above personally came the above named Arnold M. Bilstad and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or provid to me/us on the basis of

assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Printed Name of Witness:

| SHEAUSONG YANG: | |
|---|---|
| Inventor's Signature | DATE |
| Inventor's Printed Name: Sheausong | Yang |
| | |
| assignment before me/us. The above satisfactory evidence to be the same i | above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing named individual is personally known by me/us or proved to me/us on the basis of individual who executed the foregoing assignment before me/us. The above named it he/she executed the same of his/her own free will for the use and purposes therein set |

Inventor's Signature

DATE

Richard D. Rebo Inventor's Printed Name

Witness statement: On the date above personally came the above named <u>Richard D</u>. <u>Rebo</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness Signature | | |
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Printed Name of Witness:

set

Assignment Page 4

| | 11/21/05 TE | _ | | |
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| Witness statement: On the date above personally ca assignment before me/us. The above named individual is satisfactory evidence to be the same individual who executed individual acknowledged to me/us that he/she executed the forth. | personally known by me/us or a uted the foregoing assignment b | proved to me/us efore me/us. Th | on the basis of e above named | - |
| Witness Signature Canolina Unul | Printed Name of Witness: | Carlina | Abrieto | - |
| DARYL A. KAISER: | | | nor in Angeleine | - |

Inventor's Signature

DATE

Inventor's Printed Name: Daryl A. Kaiser

Witness statement: On the date above personally came the above named Daryl A. Kaiser and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

Page 4 of 4

Nov-22-05 01:45pm From-Cisco Systems Richfield 3rd Floor

Assignment Page 1

Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology</u>, Inc., a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAG LOCATION. CLIENT LOCATION. AND COVERAGE HOLE LOCATION IN A WIRELESS NETWORK

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked ______ and filed on ______, as Application Serial No. ______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

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We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

DATE

Inventor's Printed Name: Bretton Lee Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness: _____

Page 1 of 4

| Assignment Page 2 | | | DOCKEDACI. | T-411 P.002/008 F- |
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| rimothy S. Ols | ON: | | | |
| inventor's Signature | | DATE | | |
| Inventor's Printed N | ame: | | | |
| assignment before m satisfactory evidence | e/us. The above name to be the same indivi | d individual is personally k idual who executed the fore | nown by me/us or prove going assignment before | |
| Witness Signature _ | | . Printed) | Name of Witness: | |
| DAVID E. HALAS | Z: | | | |
| | | The A street | | |
| Inventor's Signature | ame: <u>David E. Halas</u> | DATÉ | | |
| assignment before m satisfactory evidence | e/us. The above name to be the same indivi | ed individual is personally lidual who executed the fore | cnown by me/us or prove going assignment before | |
| Witness Signature _ | | Printed | Name of Witness: | |
| JOHN Z. DENG: | | | | |
| | 2 | 11/2 | -1/2005 | |
| Inventor's Signature | 2 | DATE | | |
| Inventor's Printed N | lame: John Z. Deng | | | |
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| Witness Signature " | LIA | Printed | Name of Witness: <u>5</u> | ean D'Rourke |

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| | | | | |
| ARNOLD M. BILSTAD: | | | | |
| | | | | |
| nventor's Signature | DATE | | | |
| Inventor's Printed Name: <u>Arnold M. Bilstad</u> | | | | |
| | | | | |
| Witness statement: On the date above per assignment before me/us. The above named in satisfactory evidence to be the same individual individual acknowledged to me/us that he/she forth. | dividual is personally who executed the for | known by me/us or prove egoing assignment befo | red to me/us on the basis o re me/us. The above name | d d |
| Witness Signature | Printed | Name of Witness: | | |
| SHEAUSONG YANG: | | | | |
| | | | | |
| Inventor's Signature | DATE | | | |
| - | | | | |
| Inventor's Printed Name: <u>Sheausong Yang</u> | | | | |
| Witness statement: On the date above pe assignment before me/us. The above named in satisfactory evidence to be the same individual individual acknowledged to me/us that he/she forth. | dividual is personally I who executed the for | known by me/us or pro- egoing assignment befo | ved to me/us on the basis or re me/us. The above name | of đ |
| Witness Signature | Printec | Name of Witness: | | |
| RICHARD D. REBO: | <u> </u> | <u> </u> | | <u></u> |
| | | | | |
| Inventor's Signature | DATE | | | |
| Richard D. Rebo | | | | |
| Inventor's Printed Name | | | | |
| Witness statement: On the date above per assignment before me/us. The above named in satisfactory evidence to be the same individual individual acknowledged to me/us that he/she forth. | dividual is personally I who executed the fo | known by me/us or pro regoing assignment befo | ved to me/us on the basis on the basis of the me/us. The above name | of d |
| Witness Signature | D .! | Nome of Witcom | | |
| Witness Signature | Printee | Name of Witness: | | |

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Page 3 of 4

| Assignment Page 4 | | i 3rd Floor 3305232239 T-411 Docket/Kei, No. כוגיט | | | |
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| | | | | • | |
| JONATHAN S. LEARY: | | | | | |
| | | | | | |
| Inventor's Signature | DATE | | | | |
| Inventor's Printed Name: Jonathan S. J | Leary | | | | |
| forth. | | Mana of Witness | | | |
| Witness Signature | Printed | Name of Williess. | | | |
| DARYL A. KAISER: | Printed | Name of Whiless. | | | |
| | | Name of Whitess | | | |
| | Printed | | | | |
| DARYL A. KAISER: | DATE | | | | |
| DARYL A. KAISER: Inventor's Signature | DATE | | | | |
| DARYL A. KAISER: Inventor's Signature | DATE | ove named <u>Daryl A. Kai</u> | ser and executed the foreg | oing | |

satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _____ Printed Name of Witness: _____

Page 4 of 4



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Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION. We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology</u>, Inc., a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAG LOCATION, CLIENT LOCATION. AND COVERAGE HOLE LOCATION IN A WIRELESS NETWORK

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked ______ and filed on _______, as Application Serial No. _______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignce, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

DATE

Inventor's Printed Name: Bretton Lee Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

Page 1 of 4

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| LIMOTHY S. OLS | SON: | | | |
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| Inventor's Signature | | DATE | | • |
| Inventor's Printed N | lame: | | | |
| assignment before <i>m</i> | ne/us. The above named | t individual is personally lual who executed the for | known by me/us or pro egoing assignment bef | <u>Dison</u> and executed the foregoing oved to me/us on the basis of fore me/us. The above named or the use and purposes therein set |
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| Withess Dignature | | | | |
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| DAVID E. HALA | SZ: | | | |
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| • | Name: <u>David E. Halasz</u> | τ. | | |
| inventor s r incoa s | | | | |
| assignment before : satisfactory eviden individual acknowl forth. | me/us. The above name ce to be the same indivi | d individual is personally dual who executed the fo she executed the same of | known by me/us or pr regoing assignment be | alasz and executed the foregoing roved to me/us on the basis of fore me/us. The above named for the use and purposes therein se |
| Witness Signature | Mine I ley | Printed | I Name of Witness: | UNNO PIER |
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| JOHN Z. DENG: | | | | |
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| RNOLD M. BILSTAD: | | | |
| nventor's Signature | DATE | | |
| nventor's Printed Name: <u>Arnold M</u> | 1. Bilstad | | |
| Witness statement: On the data assignment before me/us. The above atisfactory evidence to be the same individual acknowledged to me/us to forth. | e named individual is personally individual who executed the for | known by me/us or pro egoing assignment befo | ved to mc/us on the basis of ore mc/us. The above named |
| Witness Signature | Printed | Name of Witness: | |
| | | | |
| nventor's Signature | DATE | | |
| nventor's Printed Name: <u>Sheauson</u> | g Yang | | |
| Inventor's Printed Name: <u>Sheauson</u> Witness statement: On the dat assignment before me/us. The above satisfactory evidence to be the same ndividual acknowledged to me/us t | g Yang c above personally came the abo c named individual is personally individual who executed the for | known by me/us or pro egoing assignment befo | oved to me/us on the basis of orc me/us. The above named |
| inventor's Printed Name: <u>Sheauson</u> Witness statement: On the dat assignment before me/us. The above satisfactory evidence to be the same ndividual acknowledged to me/us t forth. | g Yang c above personally came the abo c named individual is personally individual who executed the for hat he/she executed the same of h | known by me/us or pro egoing assignment befo uis/her own free will fo | oved to me/us on the basis of orc me/us. The above named |
| inventor's Printed Name: <u>Sheauson</u> Witness statement: On the dat assignment before me/us. The above satisfactory evidence to be the same ndividual acknowledged to me/us t forth. Witness Signature | g Yang c above personally came the abo c named individual is personally individual who executed the for hat he/she executed the same of h | known by me/us or pro egoing assignment befo uis/her own free will fo | oved to me/us on the basis of ore me/us. The above named r the use and purposes therein set |
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| Inventor's Printed Name: <u>Sheauson</u> Witness statement: On the dat assignment before me/us. The above satisfactory evidence to be the same individual acknowledged to me/us to forth. Witness Signature | g Yang c above personally came the abo c named individual is personally individual who executed the for hat he/she executed the same of l Printed | known by me/us or pro egoing assignment befo uis/her own free will fo | oved to me/us on the basis of ore me/us. The above named r the use and purposes therein set |
| Inventor's Printed Name: <u>Sheauson</u> Witness statement: On the dat assignment before me/us. The abov satisfactory evidence to be the same individual acknowledged to me/us t forth. Witness Signature RICHARD D. REBO: Inventor's Signature Richard D. Rebo Inventor's Printed Name Witness statement: On the dat assignment before me/us. The abov satisfactory evidence to be the same individual acknowledged to me/us t | g Yang | known by me/us or pro egoing assignment befo uis/her own free will fo Name of Witness: ve named <u>Richard D. R</u> known by me/us or pro egoing assignment befo | <u>ebo</u> and executed the foregoing by to me/us on the basis of |

Page 3 of 4

JONATHAN S. LEARY:

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Inventor's Signature

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DATE

Inventor's Printed Name: Jonathan S. Leary

Witness statement: On the date above personally came the above named <u>Jonathan S. Leary</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness | Signature | _ |
|---------|-----------|---|
|---------|-----------|---|

Printed Name of Witness:

DARYL A. KAISER:

Inventor's Signature

DATE

Inventor's Printed Name: Daryl A. Kaiser

Witness statement: On the date above personally came the above named <u>Daryl A. Kaiser</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

Page 4 of 4

Nov-21-05 11:50am From-Cisco Systems Richfield 3rd Floor Assignment Page 1

Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology, Inc.</u>, a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAGLOCATION, CLIENT LOCATION, AND COVERAGE HOLF LOCATION IN A WIRELESS NETWORK.

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked ______ and filed on _______, as Application Serial No. ______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominces as it may designate.

We agree that, when requested, we will, without charge to said Assignce but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

DATE

Inventor's Printed Name: Bretton Lee Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness: _____

Page 1 of 4

| Nov-21-05 | 11:50am | From-Cisco | Systems | Richfield | 3rd Flo | or |
|-----------|-----------|------------|---------|-----------|---------|----|
| Assignme | nt rage 2 | | | | | |

TIMOTHY S. OLSON:

Inventor's Signature

DATE

Inventor's Printed Name:

Witness statement: On the date above personally came the above named <u>Timothy S. Olson</u> and executed the foregoing assignment before me/us. The above named individual is personally known by mc/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _____ Printed Name of Witness: _____

DAVID E. HALASZ:

Inventor's Signature

DATE

Inventor's Printed Name: David E. Halasz

Witness statement: On the date above personally came the above named David E. Halasz and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

JOHN Z. DENG:

Inventor's Signature

DATE

Inventor's Printed Name: John Z. Deng

Witness statement: On the date above personally came the above named John Z. Deng and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness | Signature | | _ |
|---------|-----------|--|---|
| | | | |

Printed Name of Witness:

Page 2 of 4

JONATHAN S. LEARY:

Inventor's Signature

DATE

Inventor's Printed Name: Jonathan S. Leary

Witness statement: On the date above personally came the above named <u>Jonathan S. Leary</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Wimess | Signature |
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Printed Name of Witness: ____

DARYL A. KAISER:

Inventor's Signature

DATE

Inventor's Printed Name: Daryl A. Kaiser

Witness statement: On the date above personally came the above named <u>Daryl A. Kaiser</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

Page 4 of 4

| v-21-05 11:51am Assignment Page 3 | From-Cisco Systems Rich | field 3rd Floor | 3305232239 Docket/Ket. р | T-409 P.004/009 אפג כנאכט-אאא | F-00 |
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| ARNOLD M. BILS | TAD: | | | | |
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| Inventor's Signature | | DATE | | | |
| Inventor's Printed N | ame: <u>Arnold M. Bilstad</u> | | | | |
| assignment before m satisfactory cvidence | ent: On the date above pers- ne/us. The above named indi to be the same individual y dged to me/us that he/she ex | ividual is personally k who executed the fore | nown by me/us or proved going assignment before r | to me/us on the basis of ne/us. The above named | |
| Witness Signature _ | | Printed 1 | Name of Witness: | | |
| SHEAUSONG YAI | NG: | | | | |
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| Inventor's Signature | | DATE | | | |
| Inventor's Printed N | lame: Sheausong Yang | | | | |
| assignment before m satisfactory evidence | ent: On the date above pers ne/us. The above named indi c to be the same individual w dged to me/us that he/she ex | ividual is personally I who executed the fore | nown by me/us or proved going assignment before r | to me/us on the basis of me/us. The above named | |
| Witness Signature | | Printed | Name of Witness: | | |
| RICHARD D. REF | D. Albo | 18 N DUC DATE | mber 2005 | | |
| Richard D. Rebo Inventor's Printed N | lame | | | | |
| assignment before n satisfactory evidenc | ent: On the date above pers ne/us. The above named indi- e to be the same individual edged to me/us that he/she es | ividual is personally i who executed the fore | nown by me/us or proved going assignment before i | to me/us on the basis of me/us. The above named | l |
| | Care A. U. | • | | | |

Page 3 of 4

Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology, Inc.</u>, a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAG LOCATION, CLIENT LOCATION, AND COVERAGE HOLE LOCATION IN A WIRELESS NETWORK

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked _______, and filed on _______, as Application Serial No. _______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

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We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

DATE

Inventor's Printed Name: Bretton Lee Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

Page 1 of 4

| ТІМОТНУ | S. OLSON: | |
|---------|-----------|--|
|---------|-----------|--|

Inventor's Signature

DATE

Inventor's Printed Name: _____

Witness statement: On the date above personally came the above named <u>Timothy S. Olson</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness Signature | Printed Name of Witness: |
|--|---|
| DAVID E. HALASZ: | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: <u>David E. Halasz</u> | |
| assignment before me/us. The above named indivi- satisfactory evidence to be the same individual wh individual acknowledged to me/us that he/she exec forth. | hally came the above named <u>David E. Halasz</u> and executed the foregoing idual is personally known by me/us or proved to me/us on the basis of no executed the foregoing assignment before me/us. The above named cuted the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: |
| JOHN Z. DENG: | |
| Inventor's Signature | DATE |
| Inventor's Printed Name: <u>John Z. Deng</u> | |
| assignment before me/us. The above named indivisitive satisfactory evidence to be the same individual where same individua | nally came the above named <u>John Z. Deng</u> and executed the foregoing idual is personally known by me/us or proved to me/us on the basis of no executed the foregoing assignment before me/us. The above named cuted the same of his/her own free will for the use and purposes therein set |

Witness Signature

Printed Name of Witness:

Page 2 of 4

ARNOLD M. BILSTAD:

Inventor's Signature

.

DATE

Inventor's Printed Name: <u>Arnold M. Bilstad</u>

Witness statement: On the date above personally came the above named <u>Arnold M. Bilstad</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| Witness Signature | Printed Name of Witness: |
|---|---|
| SHEAUSONG YANG: | · · |
| Inventor's Signature | DATE |
| Inventor's Printed Name: Sheausong Yang | |
| assignment before me/us. The above named i satisfactory evidence to be the same individual | ersonally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing individual is personally known by me/us or proved to me/us on the basis of al who executed the foregoing assignment before me/us. The above named e executed the same of his/her own free will for the use and purposes therein set |
| Witness Signature | Printed Name of Witness: |
| RICHARD D. REBO: | |
| Inventor's Signature | DATE |
| Richard D. Rebo Inventor's Printed Name | |
| assignment before me/us. The above named is satisfactory evidence to be the same individual | ersonally came the above named <u>Richard D. Rebo</u> and executed the foregoing ndividual is personally known by me/us or proved to me/us on the basis of al who executed the foregoing assignment before me/us. The above named e executed the same of his/her own free will for the use and purposes therein set |

Printed Name of Witness:

Page 3 of 4

JONATHAN S. LEARY:

Inventor's Signature

DATE

Inventor's Printed Name: Jonathan S. Leary

Witness statement: On the date above personally came the above named <u>Jonathan S. Leary</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

| witness | Signature | |
|---------|-----------|------|
| \sim | | |

Printed Name of Witness:

DARYL A. KAISER:

11 November 2005 DATE

Inventor's Printed Name: _____ A. Kaiser___

Witness statement: On the date above personally came the above named <u>Daryl A. Kaiser</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature Evan Kaim

Printed Name of Witness: Evan Laiser

1/ 8

Assignment Page 1

Docket/Ref. No. CISCO-9998

Ref. No. CISCO-9998

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto <u>Cisco Technology</u>, Inc., a corporation organized under the laws of <u>California</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

TAG LOCATION, CLIENT LOCATION, AND COVERAGE HOLE LOCATION IN A WIRELESS NETWORK

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-9998</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto unless the following is checked ______ and filed on _______, as Application Serial No. ______, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignce, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

DATE

Inventor's Printed Name: Bretton Lee Douglas

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

Page 1 of 4

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Assignment Page 2

Docket/Ref. No. CISCO-9998

TIMOTHY S. OLSON: DATE Inventor's Signature Inventor's Printed Name: Witness statement: On the date above personally came the above named Timothy S. Olson and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth. Witness Signature _____ Printed Name of Witness: _____ DAVID E. HALASZ: Inventor's Signature DATE Inventor's Printed Name: David E. Halasz Witness statement: On the date above personally came the above named David E. Halasz and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth. Witness Signature Printed Name of Witness: JOHN Z. DENG: DATE Inventor's Signature Inventor's Printed Name: John Z. Deng Witness statement: On the date above personally came the above named John Z. Deng and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth. Witness Signature Printed Name of Witness:

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Assignment Page 3

Docket/Ref. No. CISCO-9998

ARNOLD M. BILSTAD:

Inventor's Signature

DATE

Inventor's Printed Name: Arnold M. Bilstad

Witness statement: On the date above personally came the above named <u>Arnold M. Bilstad</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _

Printed Name of Witness: <u>RAJNEESH</u> KUMAR

SHEAUSONG YANG:

Inventor's Signature

DATE

Inventor's Printed Name: Sheausong Yang

Witness statement: On the date above personally came the above named <u>Bretton Lee Douglas</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _

Printed Name of Witness:

RICHARD D. REBO:

Inventor's Signature

DATE

Richard D. Rebo Inventor's Printed Name

Witness statement: On the date above personally came the above named <u>Richard D. Rebo</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness: ____

Page 3 of 4

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Assignment Page 4

Docket/Ref. No. CISCO-9998

JONATHAN S. LEARY:

Inventor's Signature

DATE

Inventor's Printed Name: Jonathan S. Leary

Witness statement: On the date above personally came the above named <u>Jonathan S. Leary</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness: _____

DARYL A. KAISER:

Inventor's Signature

DATE

Inventor's Printed Name: Daryl A. Kaiser

Witness statement: On the date above personally came the above named <u>Daryl A. Kaiser</u> and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness: ____

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PATENT REEL: 017311 FRAME: 0029

RECORDED: 11/22/2005