

08-18-2003

ASSIGNMENT



102526696

8.5.03



To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party: **Alpesh Patel, Kent K. Leung, Stefan Raab and Gopal Dommety**

2. Name and address of receiving party:

Name: **Cisco Technology, Inc.**
Address: **170 West Tasman Drive**
San Jose, California 95134-1706

3. Nature of conveyance

- | | | | |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment | <input type="checkbox"/> | Merger |
| <input type="checkbox"/> | Security Agreement | <input type="checkbox"/> | Change of Name |
| <input type="checkbox"/> | Other _____ | <input type="checkbox"/> | License Agreement |

Execution Date: **August 4, 2003, August 1, 2003, July 25, 2003 and August 4, 2003**

4. Application Number(s) or Patent Number(s): To be assigned.

10635882

The title of the (new) application is: **METHODS AND APPARATUS FOR DYNAMIC SESSION KEY GENERATION AND REKEYING IN MOBILE IP**

5. Please send all correspondence concerning this (these) documents to:

Beyer Weaver & Thomas, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Ph: (510) 843-6200
Fax: (510) 843-6203
(Customer Number: 022434)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
 Any additional fees are authorized to be charged to Deposit Account No. 500388
(Order No. CISC334)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: August 5, 2003

08/15/2003 ECOOPER 00000217 500388 10635882

01 FC:8021 40.00 DA

Elise R. Heilbrunn
Registration No. 42,649

Attorney Docket No. CISC334/6994

(Revised 12/01)

PATENT
REEL: 014354 FRAME: 0937

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

METHODS AND APPARATUS FOR DYNAMIC SESSION KEY GENERATION AND REKEYING IN MOBILE IP

(Atty. Docket No. CISC334/6994), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. _____ . (Not accompanying)
 which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to **Cisco Technology**, a California corporation having a place of business at **170 West Tasman Drive, San Jose, California 95134-1706** ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: _____ Date: _____

Alpesh Patel

State of California)
)
County of _____)

ss.

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)

2. Inventor Signature: Kent K Leung Date: 8/1/03
Kent K. Leung

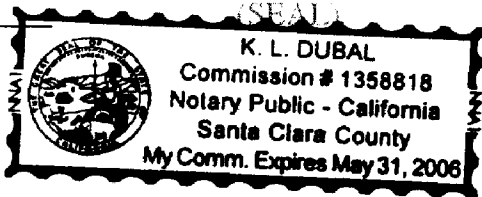
State of California)
)
County of Santa Clara)

ss.

On this 1st day of August, in the year 2003, before me, K. L. DUBAL, Notary Public, personally appeared Suresh Satapati, ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity(ies), and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature K. L. DUBAL



3. **Inventor Signature:** _____ **Date:** _____

Stefan Raab

State of California)

) ss.

County of _____)

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)

4. **Inventor Signature:** _____ **Date:** _____

Gopal Dommety

State of California)

) ss.

County of _____)

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

METHODS AND APPARATUS FOR DYNAMIC SESSION KEY GENERATION AND REKEYING IN MOBILE IP

(Atty. Docket No. CISCP334/6994), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
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4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: Alpesh Patel
Alpesh Patel

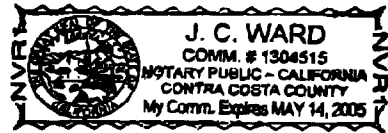
Date: 8/4/03

State of California)
County of SANTA CLARA) ss.

On this 4th day of AUGUST, in the year 2003, before me, J. C. WARD, Notary Public, personally appeared, Suresh Satapati, personally known to me ~~(or proved to me on the basis of satisfactory evidence)~~, to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature [Signature]



2. Inventor Signature: _____
Kent K. Leung

Date: _____

State of California)
County of _____) ss.

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)

3. Inventor Signature: _____ Date: _____
Siefan Raab

State of California)
)
County of _____) ss.

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____ (SEAL)

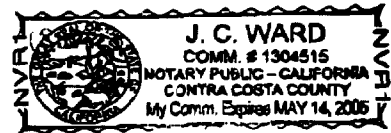
4. Inventor Signature: D. Gopal Domhety Date: 8/4/03
Gopal Domhety

State of California)
)
County of SANTA CLARA) ss.

On this 4th day of AUGUST, in the year 2003, before me, J. C. WARD, Notary Public, personally appeared Gopal Domhety, ~~personally known to me (or proved to me on the basis of satisfactory evidence)~~ to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity(~~ies~~), and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____



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METHODS AND APPARATUS FOR DYNAMIC SESSION KEY GENERATION AND REKEYING IN MOBILE IP

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- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. **Inventor Signature:** _____ **Date:** _____
Alpesh Patel

State of California)
)
County of _____) ss.

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____ (SEAL)

2. **Inventor Signature:** _____ **Date:** _____
Kent K. Leung

State of California)
)
County of _____) ss.

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____ (SEAL)

3. Inventor Signature: [Signature]
Stefan Raab

Date: 7/25/03

State of ~~California~~ Virginia)
County of Fairfax)

ss.

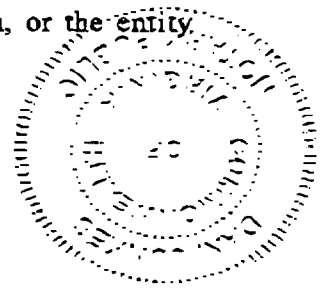
Stefan Raab

On this 25 day of July, in the year 2003, before me, _____, Notary Public, personally appeared ~~Suresh Satapati~~, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature [Signature]

(SEAL)



4. Inventor Signature: _____
Gopal Dommety

Date: _____

State of California)
County of _____)

ss.

On this ____ day of _____, in the year 200__, before me, _____, Notary Public, personally appeared Suresh Satapati, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)

Revised 01/02 Assen ITS Notary