

103056820

a)

To: Honorable Commissioner of Patents and Trademarks:

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

| 1. | Name | of o | conveying | g party(ies) |
|----|------|------|-----------|--------------|
|----|------|------|-----------|--------------|

Rajiv Singhal

b) Christopher Wiborg

2. Name and address of receiving party(ies):

a) Name:

Cisco Technology, Inc.

Address:

Other

170 West Tasman Drive, San Jose, CA 95134

| 3 | Nature | of | conve | yance | |
|---|--------|----|-------|-------|--|
| | | | | | |

Assignment

Merger

Security Agreement

Change of Name License Agreement

Execution Date:

Rajiv Singhal – 07/22/05

Christopher Wiborg – 07/27/05

4. Application Number(s) or Patent Number(s): NEW

a)

b)

The title of the (new) application is:

NETWORK BASED DEVICE FOR PROVIDING RFID MIDDLEWARE FUNCTIONALITY

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

Beyer Weaver & Thomas, LLP

P.O. Box 70250

Oakland, CA 94612-0250

Ph: (510) 663-1100

Fax: (510) 663-0920

(Customer Number: 022434)

- 6. Total number of applications and patents involved: 1
- 7. Total fee (37 CFR 3.41): \$40.00

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

CISCP451)

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: Au

August 1, 2005

08/04/2005 FFANAIA2 00000064 11195160

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Roger S. Sampson Registration No. 44,314

Attorney Docket No. CISCP451/11464 (Revised 12/01)

PATENT REEL: 016833 FRAME: 0862

11/195160

ASSIGNMENT OF PATENT APPLICATION

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

NETWORK BASED DEVICE FOR PROVIDING RFID MIDDLEWARE FUNCTIONALITY

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|-----------------------|---|--|--|
| (Atty. D | ocket No. CISCP451), | | |
| [| 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) | | |
| | or good and valuable consideration, the receipt and sufficiency of which is hereby edged, I, an undersigned inventor, hereby: | | |
| business and inter | ell, assign and transfer to <u>Cisco Technology</u> , <u>Inc.</u> , a California corporation having a place of at <u>170 West Tasman Drive</u> , <u>San Jose</u> , <u>CA 95134-1706</u> ("ASSIGNEE"), the entire right, title est in any and all improvements and inventions disclosed in, applications based upon, and ranted upon (including foreign patents and the right to claim priority), the above-referenced on. | | |
| resulting | Authorize and request the Commissioner of Patents to issue any and all United States Patents esulting from said application or any division, continuation, substitute, renewal, re-examination or eissue thereof to the ASSIGNEE. | | |
| perform applicati | gree to execute all papers and documents and, entirely at the ASSIGNEE's expense, any acts which are reasonably necessary in connection with the prosecution of said on, as well as any derivative applications thereof, foreign applications based thereon, and/or cement of patents resulting from such applications. | | |
| the ASS | gree that the terms, covenants and conditions of this assignment shall inure to the benefit of GNEE, its successors, assigns and other legal representatives, and shall be binding upon the as well as the inventor's heirs, legal representatives and assigns. | | |
| | farrant and represent that I have not entered and will not enter into any assignment, contract, tanding that conflicts with this assignment. | | |
| | uthorize and request my attorney/agent to insert above the application No. in order to assist rdal of this assignment. | | |
| S | gned on the date indicated beside my signature. | | |
| | gnature: Tajiv Singhal Date: Unity 22, 1005 | | |
| H | ave two witnesses who also sign below: | | |
| | gnature: Date: 07/22/2005 inted Name: JUZAR HOTHAMBAWALA | | |

Revised 06/01, Assign US or Foreign No Notary

PATENT

REEL: 016833 FRAME: 0863

| | Signature: _ Printed Name: | SGill SGill | Date: $\frac{7/2 \ge 100}{2}$ |
|----|-------------------------------|------------------------------|-------------------------------|
| 2) | Signature: Typed Name: | Christopher Wiborg | Date: |
| | Have two wi | tnesses who also sign below: | |
| | Signature: Printed Name: | | Date: |
| | Signature: Printed Name: | | Date: |

Signature:

Date:

| | Printed Name: | | |
|----|-----------------------------|-------------------------------|--------------------------|
| 2) | Signature: Typed Name: | Christopher Willorg | Date: 7/27/05 |
| | Have two wi | tnesses who also sign) below: | |
| | Signature: Printed Name: | CONNIE CHIU | Date: $\frac{7/27}{0.5}$ |
| | Signature: Printed Name: | Capil | Date: 7/27/05 |
| | | Jim Kao | |

Revised 06/01, Assign US or Foreign No Notary

RECORDED: 08/01/2005