

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Mohamed Khalid</td><td>07/13/2007</td></tr><tr><td>Paul Quinn</td><td>07/18/2007</td></tr><tr><td>Kenneth Durazzo</td><td>07/16/2007</td></tr><tr><td>Robert Gleichauf</td><td>07/26/2007</td></tr><tr><td>Richard M. Pruss</td><td>07/12/2007</td></tr></tbody></table>	Name	Execution Date	Mohamed Khalid	07/13/2007	Paul Quinn	07/18/2007	Kenneth Durazzo	07/16/2007	Robert Gleichauf	07/26/2007	Richard M. Pruss	07/12/2007	
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Richard M. Pruss	07/12/2007												
RECEIVING PARTY DATA													
Name:	Cisco Technology, Inc.												
Street Address:	170 W. Tasman Drive												
City:	San Jose												
State/Country:	CALIFORNIA												
Postal Code:	95134-1700												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11833479</td></tr></tbody></table>	Property Type	Number	Application Number:	11833479									
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Application Number:	11833479												
CORRESPONDENCE DATA													
Fax Number: (650)842-0304 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 650-842-0300													
Email: sherry@trellislaw.com													
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Address Line 4: Palo Alto, CALIFORNIA 94303-3310													
ATTORNEY DOCKET NUMBER:	100101-034600US												
NAME OF SUBMITTER:	Sherry Sutterfield												

CH \$40.00 11833479

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PATENT  
REEL: 019646 FRAME: 0655

**Total Attachments: 6**

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**PATENT**

**REEL: 019646 FRAME: 0656**

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Cisco Technology, Inc., having a place of business at 170 W. Tasman Drive, San Jose, CA 95134-1700, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **OPERATION, ADMINISTRATION AND MAINTENANCE (OAM) FOR CHAINS OF SERVICES**

("APPLICATION"), which:

- ☒ is to be filed herewith  
☐ was filed on \_\_\_\_\_,  
now bearing U.S. serial number \_\_\_\_\_; and

2. The entire worldwide right, title, and interest in and to:  
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), (c) and (d) above; and (e) all right of priority in the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney(s) of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Title of Document: **ASSIGNMENT**

Re: Mohamed Khalid, et  
al.

Title: Operation, Administration And Maintenance (OAM) For Chains Of Services

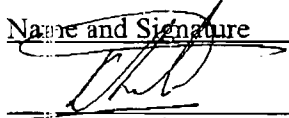
Filed: (if applicable) Here with

Atty. Docket No.: 100 01-034600US/16678

Serial No.: (if applicable)

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Name and Signature



**Mohamed Khalid**

Date of Signature

07/13/2007

Name and Signature

**Paul Quinn**

Date of Signature

, 2007

Name and Signature

**Kenneth Durazzo**

Date of Signature

, 2007

Name and Signature

**Robert Gleichauf**

Date of Signature

, 2007

Name and Signature

**Richard M. Pruss**

Date of Signature

, 2007

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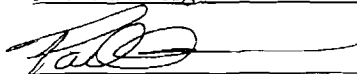
Date of Signature

\_\_\_\_\_  
**Mohamed Khalid**

\_\_\_\_\_, 2007

Name and Signature

Date of Signature



**Paul Quinn**

July 18, 2007

Name and Signature

Date of Signature

\_\_\_\_\_  
**Kenneth Durazzo**

\_\_\_\_\_, 2007

Name and Signature

Date of Signature

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**Robert Gleichauf**

\_\_\_\_\_, 2007

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Date of Signature

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**Richard M. Pruss**

\_\_\_\_\_, 2007

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**Kenneth Durazzo**Name and SignatureDate of Signature

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**Robert Gleichauf**Name and SignatureDate of Signature

12/7, 2007

**Richard M. Pruss**