

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3057727

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                    |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                        |
| <b>CONVEYING PARTY DATA</b>   |                                   |
| <b>Name</b>   | <b>Execution Date</b>             |
| YATHIRAJ B. UDUPI   | 10/01/2014                        |
| DEBOJYOTI DUTTA   | 10/01/2014                        |
| MADHAV V. MARATHE   | 10/02/2014                        |
| RAGHUNATH O. NAMBIAR  | 10/07/2014                        |
| <b>RECEIVING PARTY DATA</b>   |                                   |
| <b>Name:</b>  | CISCO TECHNOLOGY, INC.            |
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| <b>City:</b>  | SAN JOSE                          |
| <b>State/Country:</b>   | CALIFORNIA                        |
| <b>Postal Code:</b>   | 95134                             |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                   |
| <b>Property Type</b>  | <b>Number</b>                     |
| <b>Application Number:</b>  | 14509691                          |
| <b>CORRESPONDENCE DATA</b>  |                                   |
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| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                   |
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| <b>Email:</b>   | roseanne.cisneros@patcapgroup.com |
| <b>Correspondent Name:</b>  | PATENT CAPITAL GROUP - CISCO      |
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| <b>Address Line 4:</b>  | ROCKWALL, TEXAS 75032             |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 03919.0734 (993127)               |
| <b>NAME OF SUBMITTER:</b>   | SHIRLEY S. FUNG                   |
| <b>SIGNATURE:</b>   | /Shirley S. Fung/                 |
| <b>DATE SIGNED:</b>   | 10/08/2014                        |
| <b>Total Attachments: 5</b>   |                                   |
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**ASSIGNMENT**

**WHEREAS**, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

**WHEREAS**, Cisco Technology, Inc. (hereinafter referred to as "Assignee"), a California Corporation, with an address of 170 West Tasman Drive, San Jose, California 95134, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all provisional, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

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03919.0734 (993127)

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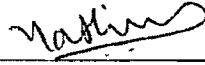
Title of Invention:

OPTIMIZED ASSIGNMENTS AND/OR GENERATION  
VIRTUAL MACHINE FOR REDUCER TASKS

Full name of inventor:

Yathiraj B. Udupi

Inventor Signature:



Date:

10/01/2014

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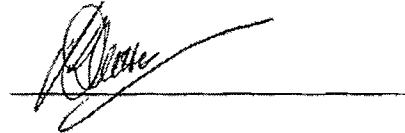
Title of Invention:

OPTIMIZED ASSIGNMENTS AND/OR GENERATION  
VIRTUAL MACHINE FOR REDUCER TASKS

Full name of inventor:

Debojyoti Dutta

Inventor Signature:



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03919.0734 (993127)

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Title of Invention:

OPTIMIZED ASSIGNMENTS AND/OR GENERATION  
VIRTUAL MACHINE FOR REDUCER TASKS

Full name of inventor:

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Inventor Signature:

Madhav V. Marathe

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Title of Invention:

OPTIMIZED ASSIGNMENTS AND/OR GENERATION  
VIRTUAL MACHINE FOR REDUCER TASKS

Full name of inventor:

Raghunath O. Nambiar

Inventor Signature:



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