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FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) M&G- 60374 0496US01/971610

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Ali C. Begen Wilson Chung
2. Name and address of receiving party(ies): Cisco Technology, Inc. 170 West Tasman Drive San Jose, California 95134-1706

3. Nature of conveyance: [X] Assignment [] Security Agreement [] Other [] Merger [] Change of Name

Execution Date: September 16, 2011 & October 3, 2011

4. Application number(s) or patent number(s): 13/269,728
If this document is being filed together with a new application, the execution date of the application is:

5. Name and address of party to whom correspondence concerning document should be mailed: D. Kent Stier, Esq. Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00 [X] Enclosed [X] Authorized to be charged to deposit account
8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725

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9. Statement and signature: 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.

D. Kent Stier, Reg. No. 50,640
Name of Person Signing
Signature
November 9, 2011
Date
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PATENT TRADEMARK OFFICE

Docket No. 60374.0496US01/971610

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors "Assignor"), 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., ("Assignee") a California corporation having an address of 170 West Tasman Drive, San Jose, California 95134-1706, desires to acquire all 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 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.

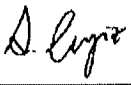
I also assign to Assignee, all right title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all 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.

Docket No. 60374.0496US01/971610

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 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.

Title of the Invention: Bandwidth-Friendly Representation Switching in Adaptive Streaming

Signature of Inventor: 

Inventor's Name: Ali C. Begen

Residence (City, State): London, ON

Post Office Address: 613-1985 Richmond St. London, ON N5X0A6
Canada

Citizenship: Turkish

Date: September 16th, 2011

Signature of Inventor: _____

Inventor's Name: Wilson Chung

Residence (City, State): _____

Post Office Address: _____

Citizenship: _____

Date: _____

Docket No. 60374.0496US01/971610

ASSIGNMENT

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Title of the Invention: Bandwidth-Friendly Representation Switching in Adaptive Streaming

Signature of Inventor: _____

Inventor's Name: Ali C. Begen

Residence (City, State): _____

Post Office Address: _____

Citizenship: _____

Date: _____

Signature of Inventor:  _____

Inventor's Name: Wilson Chung

Residence (City, State): Menlo Park, California

Post Office Address: 400 Santa Monica Ave, Menlo Park, CA 94025

Citizenship: United States of America

Date: October 3, 2011