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PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY G. RALEIGH	08/16/2011
JAMES LAVINE	08/16/2011
ALIREZA RAISSINIA	08/16/2011

RECEIVING PARTY DATA

Name:	HEADWATER PARTNERS I LLC	
Street Address:	1011 PRUITT PLACE	
City:	TYLER	
State/Country:	TEXAS	
Postal Code:	75703	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15681726

CORRESPONDENCE DATA

Fax Number:

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.

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ANN TAYLOR Correspondent Name:

Address Line 1: 1011 PRUITT PLACE Address Line 4: TYLER, TEXAS 75703

TTORNEY DOCKET NUMBER: RALEP032C1C12C2	
NAME OF SUBMITTER: ANN TAYLOR	
SIGNATURE: /Ann Taylor/	
DATE SIGNED:	09/07/2017

Total Attachments: 2

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> **PATENT** REEL: 043524 FRAME: 0816 504537203

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Gregory G. Raleigh

(2) Alireza Raissinia

(3) James Lavine

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

Insert name of Assignee

(9) Headwater Partners I, LLC

(10) Insert state of incorporation of (10) State of Delaware Assignee

(11) Insert address of Assignee

(11) of 350 Marine Parkway, Suite 300, Redwood City, California, 94065, U.S.A.

(hereinafter designated as the Assignee) the entire worldwide right, title, interest, and patent applications and patents for every country, including divisions, reissues, continuations and all other extensions, rights and priorities in the invention known as and subject matter contained in

(12) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(12) Device-Assisted Services for Protecting Network Capacity (Case No. 26WV-160509 [RALEP032], Serial No. 13/134,028) for which the undersigned have filed an application for patent in United States of America

(13) Insert Date of Filing of Application

(13) on May 25, 2011

- 1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or division applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

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The undersigned hereby grant(s)

Marc A. Sockol, Reg. No. 40,823; Shaalu Mehra, Reg. No. 44,934; Daniel C. Kloke, Reg. No. 58,417; William F. Ahmann, Reg. No. 52,548; Mukund H. Sharma, Reg. No. 64,692; and all attorneys and agents associated with Customer No. 69849.

the power to insert on this assignment any further identification which 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.

Date _	8/16/2011	
		Gregory G. Raleigh
Date _	8-16-2011	
		Alireza Raissinia

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RECORDED: 09/07/2017

PATENT REEL: 043524 FRAME: 0818