503515506 10/08/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TED T KUO	12/07/2009
LI-JEN WANG	12/10/2009
BO-CHIEH YANG	12/02/2009
SIMON E.M. BARBER	12/07/2009
DIANA K SMETTERS	12/03/2009
JEFFREY D. ABRAMOWITZ	12/07/2009
ANDREA PEIRO	12/09/2009

RECEIVING PARTY DATA

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City:	PALO ALTO
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Postal Code:	94304

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14877503

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ATTORNEY DOCKET NUMBER:	007412.02803
NAME OF SUBMITTER:	SCOTT M. KELLY
SIGNATURE:	/SCOTT M KELLY/
DATE SIGNED:	10/08/2015

503515506 PATENT REEL: 036758 FRAME: 0554

Total Attachments: 8 source=02803-Assignment1#page1.tif source=02803-Assignment1#page2.tif source=02803-Assignment1#page3.tif source=02803-Assignment1#page4.tif source=02803-Assignment1#page5.tif source=02803-Assignment1#page6.tif source=02803-Assignment1#page7.tif source=02803-Assignment1#page8.tif

PATENT REEL: 036758 FRAME: 0555

ASSIGNMENT

Attorney Docket No.: PARC-20090295-US-NP

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled

APPARATUS AND METHODS FOR PROTECTING NETWORK RESOURCES

(the "Application") for inventions disclosed or claimed	i therein (the "Invention(s)"), which Application:
is being executed concurrently herewith,	. :
was first executed on	Salies Number 40077 CD4
was filed on 12 October 2009 as Appli claims the benefit of U.S. Provisional App	cation Number 12/577,684 slication(s) No(s). filed
Claims the beliefit of 0.0. I tovisional App	med .
Palo Alto Research Center Incorporated a Delaware its legal representatives (PARC) is entitled to all right of the Inventor(s).	Corporation, on behalf of itself, its successors and it assigns, and its in the Application and the Invention(s), and the full cooperation
transfer(s) to PARC the entire and exclusive right, titl United States, its territories, and all foreign count	ereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and le and interest in the Application and the Invention(s), in and for the tries, including all applications, patents, design registrations and le, and all priority rights under all present or future conventions and distributed in the Application; and
(1) request the U.S. Commissioner of Patents to iss	sue all U.S. Letters Patent granted thereon to PARC;
(2) agree that PARC may apply for and receive all f	foreign Letters Patent thereon;
(3) agree to execute all papers and take all action PARC; and	ons necessary or desirable in connection therewith requested by
	ication Number on this Assignment, if not already entered above.
Ted T. Kuo	
	Date /2/7/09
LI-Jen Wang	
	Date
Bo-chieh Yang	
	•
	Date
Simon E. M. Barber	
	Date
Diana K. Smetters	Date
Diana K. Smetters	Date
Diana K. Smetters	Date
Diana K. Smetters .	Date
Diana K. Smetters .	

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REEL: 023657 FRAME: 0171

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Jeffrey D. Abramowitz	
	Date
Andrea Peiro	
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PATENT REEL: 023657 FRAME: 0172 PATENT

ASSIGNMENT

Attorney Docket No.: PARC-20090295-US-NP

The undersigned is/are the named inventor(s) (the "inventor(s)") on a United States patent application entitled

(the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

APPARATUS AND METHODS FOR PROTECTING NETWORK RESOURCES

 is being executed concurrently herewith, was first executed on was filed on 12 October 2009 as Application claims the benefit of U.S. Provisional Application 	n Number 12/577,684 on(s) No(s). filed .
Palo Alto Research Center Incorporated a Delaware Corpits legal representatives (PARC) is entitled to all rights in of the Inventor(s).	poration, on behalf of itself, its successors and it assigns, and the Application and the Invention(s), and the full cooperation
transfer(s) to PARC the entire and exclusive right, title and United States, its territories, and all foreign countries.	acknowledged, the Inventor(s) hereby sell(s), assign(s), and interest in the Application and the Invention(s), in and for the including all applications, patents, design registrations and all priority rights under all present or future conventions and is claimed in the Application; and
PARC; and	
	• • • • •
Ted T. Kuo	
Li-Jen Wang	Le Jan Wang
Bo-chieh Yang	Date
	Date
Simon E. M. Barber	
	Date
Diana K. Smetters	
	Date
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REEL: 023657 FRAME: 0173

PATENT

Jeffrey D. Abramowitz		
	Date	
Andrea Peiro		
	Dete	

<u>ASSIGNMENT</u>

Attorney Docket No.: PARC-20090295-US-MP

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled

APPARATUS AND METHODS FOR PROTECTING NETWORK RESOURCES

(the "Application") for inventions disclosed or claimed then	ein (the "Invention(s)"), which Application:
is being executed concurrently herewith,was first executed on	
	n Number 12/577,684 on(s) No(s). filed .
	poration, on behalf of itself, its successors and it assigns, and the Application and the Invention(s), and the full cooperation
transfer(s) to PARC the entire and exclusive right, title and United States, its territories, and all foreign countries,	acknowledged, the Inventor(s) hereby sell(s), assign(s), and interest in the Application and the Invention(s), in and for the including all applications, patents, design registrations and d all priority rights under all present or future conventions and is claimed in the Application; and
 (1) request the U.S. Commissioner of Patents to issue all agree that PARC may apply for and receive all foreig agree to execute all papers and take all actions n PARC; and 	
	n Number on this Assignment, if not already entered above.
Ted T, Kuo	
	Date
Li-Jen Wang	
	Date
Bo-chieh Yang	Burg
	Date 12/2/2009
Simon E. M. Berber	
•	Date
Diana K. Smetters	

PATENT REEL: 023657 FRAME: 0175

PATENT

Jeffrey D. Abramowitz	
	Date
Andrea Peiro	
	Date

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PATENT REEL: 023657 FRAME: 0176 PATENT

ASSIGNMENT

Attorney Docket No.: PARC-20090295-US-NP

The undersigned is/are the named inventor(s) (the "inventor(s)") on a United States patent application entitled

(the "Application") for inventions disclosed or claimed therein (the "invention(s)"), which Application:

APPARATUS AND METHODS FOR PROTECTING NETWORK RESOURCES

 ☐ is being executed concurrently herewith, ☐ was first executed on 	
	on Number 12/577,684 Ition(s) No(s). filed .
Palo Alto Research Center incorporated a Delaware Co its legal representatives (PARC) is entitled to all rights in of the Inventor(s).	reporation, on behalf of itself, its successors and it assigns, and in the Application and the Invention(s), and the full cooperation
transfer(s) to PARC the entire and exclusive right, title a United States, its territories, and all foreign countries	by acknowledged, the Inventor(s) hereby sell(s), assign(s), and nd Interest in the Application and the Invention(s), in and for the including all applications, patents, design registrations and all priority rights under all present or future conventions and ty is claimed in the Application; and
PARC; and	ign Letters Patent thereon; necessary or desirable in connection therewith requested by
(4) authorize PARC to subsequently enter the Applicat	ion Number on this Assignment, if not already entered above.
Ted T. Kuo	
	Date
Li-Jen Wang	
	Date
Bo-chieh Yang	
	Marie de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de
Simon E. M. Barber	Date
	Date 12/7/2009
Diana K. Smetters	
	Date 143/05
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PATENT

REEL: 023657 FRAME: 0177

PATENT

Jeffrey D. Abramowitz

Andrea Peiro

Date 12/7/29

Date 12/9/09

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RECORDED: 12/15/2009

RECORDED: 10/08/2015

PATENT FEL: 023657 FRA

REEL: 023657 FRAME: 0178

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