503689613 02/11/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3736251

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YURY BASKAKOV	12/10/2013
ALEXANDER THOMAS GARTHWAITE	02/11/2016
RAJESH VENKATASUBRAMANIAN	02/11/2016
IRENE ZHANG	02/11/2016
SEONGBEOM KIM	02/11/2016
NIKHIL BHATIA	02/11/2016
KIRAN TATI	02/11/2016

RECEIVING PARTY DATA

Name:	VMWARE, INC.
Street Address: 3401 HILLVIEW AVENUE	
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94304

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13935382	

CORRESPONDENCE DATA

Fax Number: (640)427-4818

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.

Phone: 650-427-5000

Email: ipadmin@vmware.com, jcardenas@pattersonsheridan.com

Correspondent Name: VMWARE, INC.

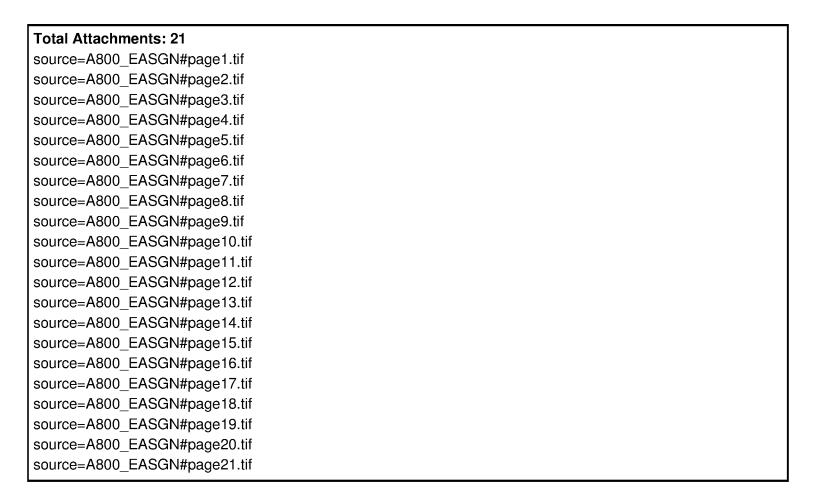
Address Line 1: 3401 HILLVIEW AVENUE

Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	A800
NAME OF SUBMITTER:	FREDERICK D. KIM
SIGNATURE:	/Frederick D. Kim/
DATE SIGNED:	02/11/2016

PATENT REEL: 037800 FRAME: 0264

503689613



PATENT REEL: 037800 FRAME: 0265

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Yury BASKAKOV	of	Newton, MA
Alexander Thomas GARTHWAITE	of	Hamilton, MA
Rajesh VENKATASUBRAMANIAN	of	San Jose, CA
Irene ZHANG	of	Seattle, WA
Seongbeom KIM	of	Sunnyvale, CA
Nikhil BHATIA	of	Mountain View, CA
Kiran TATI	of	Santa Clara, CA

hereby sell, assign, transfer and set over to

ASSIGNEE: VMware, Inc., a Delaware corporation, having a principal place of business at 3401

Hillview Avenue, Palo Alto, California 94304, U.S.A. (VMware), its successors,

assigns and legal representatives,

my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

-	U.S. Patent Application executed on or about the date of this Assignment,
<u>X</u>	U.S. Patent Application No.: <u>13/935,382</u> , filed on <u>July 3, 2013</u> ;

l	J.S.	Provisional	Application	No.:		filed o	n;	,
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	International Application No.:	PCT/	filed on	;
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and

ENTITLED: IDENTIFICATION OF PAGE SHARING OPPORTUNITIES WITHIN LARGE

PAGES

and identified by Attorney Docket Number: A800

and naming inventor(s) as follows:

INVENTOR(S):

Yury BASKAKOV

Alexander Thomas GARTHWAITE Rajesh VENKATASUBRAMANIAN

Irene ZHANG Seongbeom KIM Nikhil BHATIA Kiran TATI

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including any and all provisional, international, regional and foreign national

applications) for said invention(s), including divisionals, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof—the foreign applications including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for the invention(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

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Date	Yury BASKAKOV

ASSIGNMENT Executed on		. bv	
	Date	,,	Alexander Thomas GARTHWAITE
Executed on	Date	, by ₋	Rajesh VENKATASUBRAMANIAN
Executed on	Date	, by <u>.</u>	Irene ZHANG
Executed on	Date	, by .	Seongbeom KIM
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Executed on _		, by	•	
	Date	•	Yury BASKA	KOV
Executed on _	Feb. 11, 2016	, by	alinh	J Butit
	Date			omas GARTHWAITE

Executed on _		. by	
	Date		Rajesh VENKATASUBRAMANIAN
Executed on _	Date	, by _	Irene ZHANG
Executed on _	Date	, by _	Seongbeom KIM
Executed on _	Date	, by _	Nikhil BHATIA
Executed on _	132/11/2016	, by _	T. Circin

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	Date	•	Yury BASKAKOV	
Executed on	,	by		
	Date	•	Alexander Thomas GARTHWAITE	

ASSIGNMENT			
Executed on	11 Feb 2016 Date	by _	Rajesh VENKATASUBRAMANIAN
Executed on	Date ,	by _	Irene ZHANG
Executed on	Date ,	by _	Seongbeom KIM
Executed on	Date ,	by _	Nikhil BHATIA
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	Date		Yury BASKAKOV	
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	Date	_,	Alexander Thomas GARTHWAITE	

Executed on		, by	
	Date	, by	AN
Executed on _	2/11/2016 Date	, by	_
Executed on	Date	Seongbeom KIM	· · · · · · · · · · · · · · · · · · ·
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Executed on		bv	
Executed on	Date ,	<i>o</i> j	Alexander Thomas GARTHWAITE

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Alexander Thomas GARTHWAITE Rajesh VENKATASUBRAMANIAN

Irene ZHANG Seongbeom KIM Nikhil BHATIA Kiran TATI

invention(s), including any reissues and reexaminations thereof—the foreign applications including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for the invention(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s); to claim all rights of priority without further authorization from me, which priority rights include rights derived from any United States application (provisional or otherwise) under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and to own in its own name all applications, all patents and inventor's certificates in all countries based on the invention(s).

I agree to execute any and all documents requested by ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their reasonable expense, in connection with filing and prosecution of any and all United States and foreign applications (including international, regional, and foreign national applications), enforcement of all patents, and maintenance of all rights in the invention(s), patents, inventor's certificates and applications for patents or inventor's certificates based on any of the invention(s); and generally to do everything possible to aid ASSIGNEE, its successors, assigns, legal representatives, and nominees, at their request and reasonable expense, in obtaining, enforcing, and maintaining patents and inventor's certificates for said invention(s) in all countries. In particular, I agree to provide to ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their request and at their reasonable expense, all information known to or ascertainable by me and all documents and other materials and objects pertaining to the invention(s) that are in the possession of or accessible to me; and further, at any trial, hearing, deposition or other legal proceeding where I am called as a witness by ASSIGNEE, its successors, assigns, legal representatives, or nominee, I agree to testify to all facts pertaining to the invention(s) for which I am competent to testify.

I hereby covenant that I have full right to convey the entire interest that is being assigned by this Assignment, and that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

Executed on		by		
	Date	•	Yury BASKAKOV	
			*	
Executed on		by		
	Date	•	Alexander Thomas GARTHWAITE	

Executed on _		, by	
	Date		Rajesh VENKATASUBRAMANIAN
Executed on _	Date	, by _	Irene ZHANG
Executed on _	Date	, by _	Seongbeom KIM
Executed on _	Date	, by _	Nikhil BHATIA
Executed on _	32/11/2016 Date	, by _	T. Circon