PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4180609

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAYANTH GUMMARAJU	10/29/2013
MICHAEL NELSON	11/04/2013
REAN GRIFFITH	10/29/2013
TARIQ MAGDON-ISMAIL	10/31/2013
RAZVAN CHEVERESAN	10/31/2013
JUNPING DU	11/11/2013

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:	14062660

CORRESPONDENCE DATA

Fax Number:	(650)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:	650-427-1049
Email:	ipadmin@vmware.com, tjeffrey@pattersonsheridan.com
Correspondent Name:	VMWARE, INC.
Address Line 1:	3401 HILLVIEW AVENUE
Address Line 2:	JAMES KIRYAKOZA
Address Line 4:	PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	B438
NAME OF SUBMITTER:	ROBERT BRUSH
SIGNATURE:	/ROBERT BRUSH/
DATE SIGNED:	12/12/2016

Total Attachments: 15
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ASSIGNMENT

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

Jayanth GUMMARAJU	of	San Francisco, CA
Richard MCDOUGALL	of	Menlo Park, CA
Michael NELSON	of	Alamo, CA
Rean GRIFFITH	of	Oakland, CA
Tariq MAGDON-ISMAIL	of	San Jose, CA
Razvan CHEVERESAN	of	Palo Alto, CA
Junping DU	of	Beijing, China

hereby sell, assign, transfer and set over to

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X U.S. Patent Application No.: ___14/062,660___, filed on ___October 24, 2013___;

___ U.S. Provisional Application No.:_____, filed on_____;

___ International Application No.: PCT/_____, filed on_____;

and

ENTITLED: CONTAINER VIRTUAL MACHINES FOR HADOOP

and identified by Attorney Docket Number: B438

and naming inventor(s) as follows:

INVENTOR(S):   Jayanth GUMMARAJU
               Richard MCDOUGALL
               Michael NELSON
               Rean GRIFFITH
               Tariq MAGDON-ISMAIL
               Razvan CHEVERESAN and
               Junping DU

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,

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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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Executed on _____, by _____
                    Date   Jayanth GUMMARAJU

Page 2 of 3

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Executed on _____, by _____
              Date   Richard MCDOUGALL

Executed on _____, by _____
              Date   Michael NELSON

Executed on _____, by _____
              Date   Rean GRIFFITH

Executed on _____, by _____
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              Date   Junping DU

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and identified by Attorney Docket Number: B438

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                  Michael NELSON
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                  Junping DU

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Executed on _____, by _____
           Date   Jayanth GUMMARAJU

Executed on _____, by _____
           Date   Richard MCDOUGALL

ASSIGNMENT

Executed on _Novembar 4, 2013_ , by _Michael Nelson_
                     Date   Michael NELSON

Executed on _____ , by _____
                     Date   Rean GRIFFITH

Executed on _____ , by _____
                     Date   Tariq MAGDON-ISMAIL

Executed on _____ , by _____
                     Date   Razvan CHEVERESAN

Executed on _____ , by _____
                     Date   Junping DU

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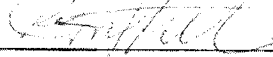
Executed on _____, by _____
               Date   Jayanth GUMMARAJU

Executed on _____, by _____
               Date   Richard MCDOUGALL

ASSIGNMENT

Executed on _____, by _____
                    Date   Richard MCDOUGALL

Executed on _____, by _____
                    Date   Michael NELSON

Executed on ___10/29, 2013_____, by _____
                    Date   Rean GRIFFITH

Executed on _____, by _____
                    Date   Tariq MAGDON-ISMAIL

Executed on _____, by _____
                    Date   Razvan CHEVERESAN

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                    Date   Junping DU

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Executed on _____, by _____
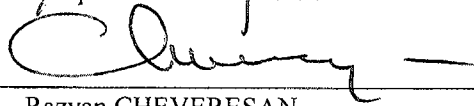   **Date**   Jayanth GUMMARAJU

Executed on _____, by _____
              Date   Richard MCDOUGALL

ASSIGNMENT

Executed on _____ , by _____
               Date   Michael NELSON

Executed on _____ , by _____
               Date   Rean GRIFFITH

Executed on __10/31/13_____ , by _____
               Date   Tariq MAGDON-ISMAIL

Executed on __10/31/13_____ , by _____
               Date   Razvan CHEVERESAN

Executed on _____ , by _____
               Date   Junping DU

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Executed on _____, by _____
                    Date   Razvan CHEVERESAN

Executed on __11/11/2013_____, by _____*Junping Du*_____
                    Date   Junping DU

PATENT
REEL: 040709 FRAME: 0097