504968946 06/20/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
ATURE OF CONVEYAN	ICE:	ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY DA	ΑΤΑ					
		Name	Execution Date			
ANDREI WARKENTIN			06/20/2018			
CYPRIEN LAPLACE			06/20/2018			
ALEXANDER FAINKICH	EN		06/20/2018			
YE LI			06/20/2018			
REGIS DUCHESNE			06/20/2018			
RECEIVING PARTY DA	тΔ					
Name:		RE, INC.				
Street Address:						
City:	PALO A					
State/Country:		CALIFORNIA				
Postal Code:	94304					
PROPERTY NUMBERS	Total: 1					
PROPERTY NUMBERS	Total: 1	Number				
Property Type		Number 16013263				
Property Type Application Number:						
Property Type Application Number: CORRESPONDENCE D Fax Number:	ATA	(650)427-4818				
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Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA e sent to provided	(650)427-4818 <i>the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i>	a US Mail.			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if µ</i> Phone: Email:	ATA e sent to provided	16013263 (650)427-4818 • the e-mail address first; if that is unsucc I; if that is unsuccessful, it will be sent via 650-427-1463	a US Mail.			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if µ</i> Phone: Email: Correspondent Name:	ATA e sent to provided	(650)427-4818 <i>the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i> 650-427-1463 ipadmin@vmware.com, tjeffrey@pattersons	a US Mail.			
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if µ Phone: Email: Correspondent Name: Address Line 1:	ATA e sent to provided i	16013263 (650)427-4818 <i>o the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i> 650-427-1463 ipadmin@vmware.com, tjeffrey@pattersons VMWARE, INC.	a US Mail.			
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA e sent to provided i	(650)427-4818 (650)427-4818 (<i>ithe e-mail address first; if that is unsucc</i> (<i>if that is unsuccessful, it will be sent via</i> (650-427-1463 (ipadmin@vmware.com, tjeffrey@pattersons) VMWARE, INC. 3401 HILLVIEW AVENUE KENNY WANG	a US Mail.			
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA e sent to provided i	(650)427-4818 (650)427-4818 (650)427-4818 (<i>if that is unsuccessful, it will be sent via</i> 650-427-1463 ipadmin@vmware.com, tjeffrey@pattersonsl VMWARE, INC. 3401 HILLVIEW AVENUE KENNY WANG PALO ALTO, CALIFORNIA 94304	a US Mail.			
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA e sent to provided i	16013263 (650)427-4818 (650)427-4818 (<i>if that is unsuccessful, it will be sent via</i> 650-427-1463 (ipadmin@vmware.com, tjeffrey@pattersonsl VMWARE, INC. 3401 HILLVIEW AVENUE KENNY WANG PALO ALTO, CALIFORNIA 94304 D665 ROBERT BRUSH	a US Mail.			

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

Andrei WARKENTIN	of	North Andover, MA
Cyprien LAPLACE	of	Boston, MA
Alexander FAINKICHEN	of	Southborough, MA
YeLI	of	Newton Highlands, MA
Regis DUCHESNE	oľ	Monts-de-Corsier, SWITZERLAND

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:

X. U.S. Patent Application executed on or about the date of this Assignment,

____ U.S. Patent Application No.: ______, filed on _____;

____ U.S. Provisional Application No.: _____, filed on _____;

____ International Application No.: PCT/_____, filed on _____;

and

ENTITLED: IMPLEMENTING FIRMWARE RUNTIME SERVICES IN A COMPUTER SYSTEM

and identified by Attorney Docket Number: D665

and naming inventor(s) as follows:

INVENTOR(S):	Andrei WARKENTIN
	Cyprien LAPLACE
	Alexander FAINKICHEN
	YeLI
	Regis DUCHESNE

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

PATENT REEL: 046144 FRAME: 0248

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.

I authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue any U.S. Letters Patent or any other patent or property right that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on 06/24 , by Andrei WARKENTIN Executed on Cyprien I 120/2018, by Executed on _____ Alexond

Page 2 of 2

ASSIGNMEN	۲ ,	2
Executed on _	06/20/2018.by	Ort_
	Date	Ye LI
Executed on _		······
	Date	Regis DUCHESNE

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

Andrei WARKENTIN	of	North Andover, MA
Cyprien LAPLACE	of	Boston, MA
Alexander FAINKICHEN	of	Southborough, MA
YeLI	of	Newton Highlands, MA
Regis DUCHESNE	of	Monts-de-Corsier, SWITZERLAND

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X U.S. Patent Application executed on or about the date of this Assignment,

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	Cyprien LAPLACE
	Alexander FAINKICHEN
	Ye LI
	Regis DUCHESNE

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PATENT REEL: 046144 FRAME: 0251

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.

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I authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue any U.S. Letters Patent or any other patent or property right that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on _		by .	
	Date		Andrei WARKENTIN
Executed on _		by .	
	Date		Cyprien LAPLACE
Executed on _		by .	
	Date		Alexander FAINKICHEN

Page 2 of 3



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Executed on		, by _	
. · · · · · · · · · · · · · · · · · · ·	Date	· • ·	Andrei WARKENTIN
Executed on _		, by _	
	Date		Cyprien LAPLACE
Executed on _		, by _	
	Date		Alexander FAINKICHEN

Page 2 of 3



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Page 3 of 3

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RECORDED: 06/20/2018