PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK WILLIAM PENZIAS DIRKS	01/04/2021
NAGA ULLAS VANKAYALA HARINATHAGUPTA	12/23/2020
MUKUND GUNTI	12/23/2020

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:	17141787

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.

Email: vmware@blackhillsip.com, ipadmin@vmware.com,

docketing@kimandstewart.com, mserna@kimandstewart.com

Correspondent Name: KIM & STEWART LLP Address Line 1: 111 N. MARKET ST.

Address Line 2: SUITE 414

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	G340
NAME OF SUBMITTER:	FREDERICK D. KIM
SIGNATURE:	/Frederick D. Kim/
DATE SIGNED:	01/05/2021

Total Attachments: 6

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PATENT REEL: 054816 FRAME: 0812

ASSIGNMENT

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

Patrick William Penzias DIRKS	of	Monte Sereno, California, USA
Naga Ullas VANKAYALA HARINATHAGUPTA	of	Santa Clara, California, USA
Mukund GUNTI	of	Sunnyvale, California, USA

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:

\underline{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: UNIFORM SOFTWARE AND FIRMWARE MANAGEMENT OF CLUSTERS OF HETEROGENEOUS SERVER HARDWARE

and identified by Attorney Docket Number: G340

and naming inventor(s) as follows:

INVENTOR(S): <u>Patrick William Penzias DIRKS, Naga Ullas VANKAYALA</u> HARINATHAGUPTA, Mukund GUNTI

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

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 _	1/4/2021	,	by .	takaoku.P. Duse
	Date			Patrick William Penzias DIRKS
Executed on _			by	
	Date		,	Naga Ullas VANKAYALA
				HARINATHAGUPTA
Executed on _			by .	
	Date		,	Mukund GUNTI

PATENT REEL: 054816 FRAME: 0814

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

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$\underline{\mathbf{X}}$	\underline{X} U.S. Patent Application executed on or about the date of this Assignment,					
	_ U.S. Patent Application No.:	_, filed on				
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	_ International Application No.: PCT/	, filed on				
and						

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and identified by Attorney Docket Number: G340

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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	Patrick William Penzias DIRKS
Executed on <u>12/23/2020</u> , Date	by Naga Ullas VANKAYALA HARINATHAGUPTA
Executed on	, by
Date	Mukund GUNTI

<u>ASSIGNMENT</u>

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Naga U	llas VAl	KAYA	LA HA	RINATI	LAGUP	'TA of	Santa Clara	, California,	, USA
Mukund	d GUNT	\mathbf{I}		Mark 9		of	Sunnyvale,	California,	USA

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	집에는 귀실하다 나를 모하는 요즘에 가는 하는 것은 기를 가는 것을 다고 하는데?	마마네요 않아는 토막 수를 하면서 보는 이 전투에 다시 되었는데 화가를 보는데 다른 사람	
<u>X</u>	U.S. Patent Application executed on or about	out the date of this Assignment,	
	_ U.S. Patent Application No.:	, filed on	
ارد اوران <u>میکار</u> رود	U.S. Provisional Application No.:,	filed on;	y. Ye
	International Application No.: PCT/	, filed on	
and			
ENTI	TTLED: UNIFORM SOFTWARE AND F		
	CLUSTERS OF HETEROGENEO	OUS SERVER HARDWARE	
and ic	identified by Attorney Docket Number: G34	40	
and n	naming inventor(s) as follows:		

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Executed on _	Date	Patrick William Penzias DIRKS
Executed on	Date 12/23/2020	Naga Ullas VANKAYALA HARINATH GUPTA
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