505975071 03/19/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHELESH CHOPRA	03/13/2020
PAWAN SINGH	03/17/2020
JAYASHREE RADHA	03/18/2020
YASEMIN UGUR-OZEKINCI	03/18/2020

RECEIVING PARTY DATA

Name:	EMC IP HOLDING COMPANY LLC	
Street Address:	176 SOUTH STREET	
City:	HOPKINTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01748	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16823536

CORRESPONDENCE DATA

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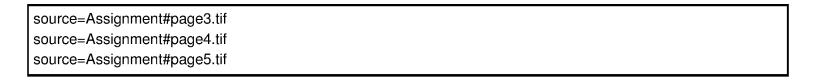
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ATTORNEY DOCKET NUMBER:	965-119687.01
NAME OF SUBMITTER:	LEANNA BULTEMA
SIGNATURE:	/Leanna Bultema/
DATE SIGNED:	03/19/2020

Total Attachments: 5

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PATENT 505975071 REEL: 052164 FRAME: 0466



PATENT REEL: 052164 FRAME: 0467

ASSIGNMENT

WHEREAS, We, Shelesh Chopra, Pawan Singh, Jayashree Radha and Yasemin Ugur-Ozekinci, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled BACKUP SERVER RESOURCE-AWARE DISCOVERY OF CLIENT APPLICATION RESOURCES, the specification of which:

[A]	States Patent Office;	ewith and is about to be filed in the United
[]	was filed on as	U.S. Application No;
[]	was patented under U.S. Patent No	oon

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Delaware and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America. its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein:

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the

giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Date: March 13th, 2020	Jer ?
	Inventor's Signature
Print full name of first inventor:	Shelesh Chopra
Residence:	D 502, Orchid Lakeview Apartment Bellandur Bangalore Karnataka 560103
Citizenship:	India
Mailing Address:	Same as above
Date:	
	Inventor's Signature
Print full name of first inventor:	Pawan Singh
Residence:	E-1502, Brigade Metropolis Garudhachar Palya, Mahadevpura Bangalore-48
Citizenship:	India
Mailing Address:	Same as above

giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Date:	
	Inventor's Signature
Print full name of first inventor:	Shelesh Chopra
Residence:	D 502, Orchid Lakeview Apartment Bellandur Bangalore Karnataka 560103
Citizenship:	India
Mailing Address:	Same as above
Date: 17th March 2020	/PAWAN SINGH/
	Inventor's Signature
Print full name of first inventor:	Pawan Singh
Residence:	E-1502, Brigade Metropolis Garudhachar Palya, Mahadevpura Bangalore-48
Citizenship:	India
Mailino Address:	Same as above

Date: 03/18/2020	/JAYASHREE RADHA/
	Inventor's Signature
Print full name of first inventor:	Jayashree Radha
Residence:	C 001, Mantri Elite Bannerghatta Road, Bilekahallai, Bangalore-76
Citizenship:	India
Mailing Address:	Same as above
Date:	
	Inventor's Signature
Print full name of first inventor:	Yasemin Ugur-Ozekinci
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Date:	
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Print full name of first inventor:	Jayashree Radha
Residence:	C 001, Mantri Elite Bannerghatta Road, Bilekahallai, Bangalore-76
Citizenship: Mailing Address:	India
	Same as above
Date: _03/18/2020	Inventor's Signature
Print full name of first inventor: Residence:	Yasemin Ugur-Ozekinci
	584 Fourth Line Oakville, ON, L6L 5A7 Canada
Citizenship:	Canadian
Mailing Address:	Same as above