PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRAKASH VENKATANARAYANAN	09/15/2021
NAGASIMHA G. HARAVU	09/14/2021
MATTHEW LONG	09/15/2021
NAGAPRAVEEN VEERAVENKATA SEELA	09/16/2021
HEMALATHA SUBRAMANIAN	09/17/2021

RECEIVING PARTY DATA

Name:	DELL PRODUCTS L.P.
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17480586

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.

Phone: 508-898-8601

Email: docketing@WESTBORO-IP.COM

Correspondent Name: MUIRHEAD AND SATURNELLI, LLC (EMC CUSTOM

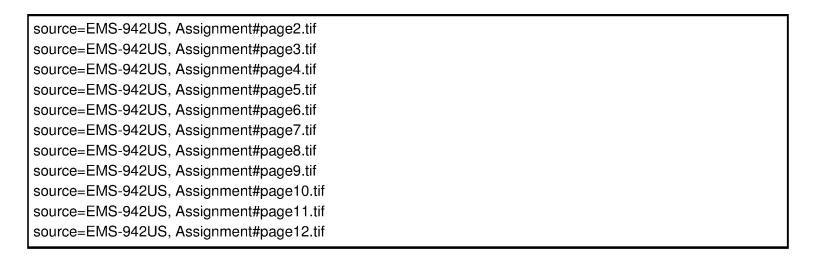
Address Line 1:200 FRIBERG PARKWAY, SUITE 1001Address Line 4:WESTBOROUGH, UNITED STATES 01581

ATTORNEY DOCKET NUMBER:	EMS-942US
NAME OF SUBMITTER:	ANNE E. SATURNELLI
SIGNATURE:	/Anne E. Saturnelli/
DATE SIGNED:	09/21/2021

Total Attachments: 12

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PATENT REEL: 057546 FRAME: 0199



PATENT REEL: 057546 FRAME: 0200

ASSIGNMENT

WHEREAS, we, Prakash VENKATANARAYANAN, Nagasimha G. HARAVU, Matthew LONG, Nagapraveen Veeravenkata SEELA and Hemalatha SUBRAMANIAN, 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 REMOTE STORAGE OBJECT TECHNIQUES, the specification of which:

Patent Office;	
[] was filed on as U.S. Application No	
[] was patented under U.S. Patent Noon	

WHEREAS, Dell Products L.P. (hereinafter "ASSIGNEE"), which is a corporation organized and existing under the laws 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.

AND, we hereby authorize attorneys of Muirhead and Saturnelli, LLC to insert here in parenthesis (17/480,586 filed September 21, 2021) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: Sep 15, 2021

Print full name of first/sole inventor:

Inventor's Signature

Prakash Venkatanarayanan

Residence: Kasavanahalli Main Road

Bangalore, Karnataka 560099

Citizenship: India

Mailing Address: Same as above

Date:	_
	Inventor's Signature
Print full name of second inventor:	Nagasimha G. HARAVU
Residence:	1011 Taywood Way
	Apex, NC 27502
Citizenship:	USA
Mailing Address:	Same as above

Date:		
	Inventor's Signature	
Print full name of third inventor:	Matthew LONG	
Residence:	538 Mendon Street	
	Uxbridge, MA 01569	
Citizenship:	USA	
Mailing Address:	Same as above	

Date:	
	Inventor's Signature
Print full name of fourth inventor:	Nagapraveen Veeravenkata SEELA
Residence:	533 Stonecroft Ln
	Cary, North Carolina 27519
Citizenship:	USA
Mailing Address:	Same as above

Date:	
	Inventor's Signature
Print full name of fifth inventor:	Hemalatha SUBRAMANIAN
Residence:	Flat 11122, Prestige Ferns Residency, Haralur,
	Bangalore – 560102
Citizenship:	India
Mailing Address:	Same as above

ASSIGNMENT

WHEREAS, we, Prakash VENKATANARAYANAN, Nagasimha G. HARAVU, Matthew LONG, Nagapraveen Veeravenkata SEELA and Hemalatha SUBRAMANIAN, 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 REMOTE STORAGE OBJECT TECHNIQUES, the specification of which:

[X]	is being executed on even date herew	ith and is about to be filed in the United Sta	tes
	Patent Office;		
[]	was filed on	_ as U.S. Application No	;
[]	was patented under U.S. Patent No	on	

WHEREAS, Dell Products L.P. (hereinafter "ASSIGNEE"), which is a corporation organized and existing under the laws 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;

Attorney Docket No.: EMS-942US

Dell Docket No.: 124878.01

•	quest the Commissioner of Patents of the United States to upon said application or applications based thereon to said epresentatives.
parenthesis (of Muirhead and Saturnelli, LLC to insert here in) the application number and filing art application) to facilitate the recording or other official
processing of this Assignment.	
IN TESTIMONY WHEREOF , we have helow:	nereunto set our hands and affixed our seals as set forth
Date:	
	Inventor's Signature
Print full name of first/sole inventor:	Prakash Venkatanarayanan
Residence:	Kasavanahalli Main Road
	Bangalore, Karnataka 560099
Citizenship:	India
Mailing Address:	Same as above

Date: 9/14/2021

Nagasimha Haravu
Inventor's Signature

Print full name of second inventor:

Residence: 1011 Taywood Way

Apex, NC 27502

Citizenship: USA

Mailing Address: Same as above

Date:

1505/61/10

Inventor's Signature

Print full name of third inventor:

Residence:

Officenships

Mailing Address:

Matthew LONG

538 Mendon Street

Uxbridge, MA 01569

USA

Same as above

Attorney Docket No.: EMS-942US

Deli Docket No.: 124878.01

Date:

9/16/2021

Inventor's Signature

Print full name of fourth inventor:

Residence:

Citizenship:

Mailing Address:

Nagapraveen Veeravenkata SEELA

533 Stonecroft Ln

Cary, North Carolina 27519

India

Same as above

Date: 09/17/2021	Sundithe
	Inventor's Signature
Print full name of fifth inventor:	Hemalatha SUBRAMANIAN
Residence:	Flat 11122, Prestige Ferns Residency, Haralur,
	Bangalore – 560102
Citizenship:	India
Mailine Address:	Same as above

PATENT REEL: 057546 FRAME: 0212