506305402 10/15/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARUN MURTI	10/15/2020
ADAM BRENNER	10/15/2020
MARK MALAMUT	10/15/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17071512

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.

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 510-295-9328

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 gts@st-ip.com

Correspondent Name: EMC IP HOLDING COMPANY LLC OUTSIDE COUNS

Address Line 1: P.O. BOX 591838

Address Line 4: SAN FRANCISCO, CALIFORNIA 94159

ATTORNEY DOCKET NUMBER:	121257.01 (DL1.306U)
NAME OF SUBMITTER:	GEOFFREY T. STANIFORD
SIGNATURE:	/Geoffrey T. Staniford/
DATE SIGNED:	10/15/2020

Total Attachments: 5

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PATENT 506305402 REEL: 054068 FRAME: 0664

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PATENT REEL: 054068 FRAME: 0665

PATENT/Joint Assignment Attorney Docket No.: DL1,306U DELL Docket No.: 121257.01

ASSIGNMENT

WHEREAS, we, <u>Arun Murti</u>, <u>Adam Bremner</u>, and <u>Mark Malamut</u> 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 <u>AUTOMATIC</u> <u>STORAGE TARGET RECOMMENDATIONS USING A STORAGE CLASSIFIER</u>, the specification of which:

[X]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
	was filed on as U.S. Application No;
	was patented under U.S. Patent Noon
WHE	REAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited bears organized and existing under the laws of the State of Delaware and having a

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State 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

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PATENT/Joint Assignment Attorney Docket No.: DL1.306U DELL Docket No.: 121257.01

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.

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

PATENT/Joint Assignment Attorney Docket No.: DL1.306U DELL Docket No.: 121257.01

Date:

10/15/2020

Inventor's Signature

Arun Murti

Print full name of first inventor:

Residence:

Citizenship:

Mailing Address:

23601 Via Navarra

Mission Viejo, CA 92691

US

Same as above

PATENT/Joint Assignment Attorney Docket No.: DL1.306U DELL Docket No.: 121257.01

Date:

10/15/2020

Oden Brance 2

Print full name of second inventor:

Residence:

Citizenship:

Mailing Address:

Adam Brenner

26771 Via Linares Mission Viejo, CA 92691

US

Same as above

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PATENT/Joint Assignment Attorney Docket No.: DL1,306U DELL Docket No.: 121257.01

Date:

10/15/2020

Pall Mula

Inventor's Signature

Print full name of third inventor:

Residence:

5 Ganguin Circle Aliso Viejo, CA 92656

Mark Malamut

Citizenship:

Mailing Address:

US:

Same as above

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RECORDED: 10/15/2020