

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AIDAN O MAHONY	08/02/2017
ALESIA TRINGALE	08/04/2017
PHILIP O'CARROLL	08/02/2017
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:	15668783
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NAME OF SUBMITTER:	HOLMES W. ANDERSON
SIGNATURE:	/Holmes W. Anderson/
DATE SIGNED:	08/04/2017
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, we, Aidan O Mahony, Alesia Tringale, Jason Jerome Duquette, and Philip O'Carroll, 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

**REDUCTION OF EXECUTION STALLS OF LZ4 DECOMPRESSION VIA
PARALLELIZATION,**

the specification of which:

- ☒ [X] 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 No. _____ on _____.

WHEREAS, EMC IP HOLDING COMPANY LLC (hereinafter "ASSIGNEE"), a Delaware limited liability company 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 do hereby authorize Anderson Gorecki LLP, whose full office address is 2 Dundee Park, Suite 301A, Andover, MA 01810, to correct errors in this Assignment and to insert any further identification and other information necessary or desirable to make this Assignment suitable for recording in a domestic or foreign Patent Office.

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

Date:

2 August 2017

A. O. Mahony
Inventor's Signature

Inventor Name:

Aidan O Mahony

Residence:

"The Gables", Tramore Road
Togher, Cork, Ireland

Citizenship:

Ireland

Mailing Address:

176 South Street
Hopkinton, MA 01748
USA

Witness:

Akash B Appaiah

Name:

AKASH B APPAIAH

Witness:

ANDREW ENSO

Name:

ANDREW ENSO

Date: 8/4/17

Alesia Tringale
Inventor's Signature

Inventor Name: **Alesia Tringale**
Residence: 33 Lenox St.
Worcester, MA 01602
Citizenship: US
Mailing Address: 176 South Sreet
Hopkinton, MA 01748
USA

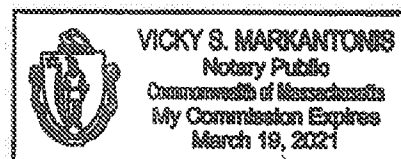
STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex, SS.

On this date of Aug. 4, 2017, then personally appeared before me the above-named Alesia Tringale known to me through satisfactory evidence of identification [☒] employee identification card; [☐] driver's license; [☐] (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Vicky S. Markantonis
Notary Public

Print Name: Vicky S. Markantonis

My Commission expires 3/19/2021



Date:

Inventor's Signature

Inventor Name:

Jason Jerome Duquette

Residence:

2 Windsor Rd.

Milford, MA 01757

Citizenship:

US

Mailing Address:

176 South Sreet

Hopkinton, MA 01748

USA

STATE/Commonwealth of _____

COUNTY OF _____

On this date of _____, then personally appeared before me the above-named _____ known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

Print Name: _____

My Commission expires ____ / ____ / ____

Date: 8/2/2017

PU O'Carroll

Inventor's Signature

Inventor Name:

Philip O'Carroll

Residence:

1 Somerville,
Glenbrook, Passage West
Cork, Ireland

Citizenship:

Ireland

Mailing Address:

176 South Sreet
Hopkinton, MA 01748
USA

Witness:

ARASH

Name:

ARASH B APPAIAH

Witness:

ANDREA

Name:

ANDREA GIUSO