504356265 05/08/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW AS	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGN	ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ						
	Name	Name		Execution Date			
FLAVIO DU PIN CALMO	N				01/30/2013		
JASON M. CLOUD					01/30/2013		
MURIEL MEDARD					01/30/2013		
WEIFEI ZENG					01/30/2013]	
RECEIVING PARTY DA	ТА						
Name:	MASSA	CHUSETTS II	NSTITUTE OF TECHNO	LOGY			
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City:	CAMBF	CAMBRIDGE					
State/Country:	MASSA	MASSACHUSETTS					
Postal Code:	02139						
PROPERTY NUMBERS Total: 1 Property Type			Number				
Application Number:1535		5358776	8776				
CORRESPONDENCE D	ΑΤΑ						
Fax Number: (781)401-9966							
Correspondence will be							
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Phone: 7814019988							
Email: jlm@@		m@dc-m.con	dc-m.com				
•		DALY, CROW	(, CROWLEY, MOFFORD & DURKEE, LLP				
Address Line 2: SUITE 301A							
Address Line 4:	Address Line 4: CANTON, MASSACHUSETTS 02021-2714						
ATTORNEY DOCKET NUMBER:		MIT-256	MIT-256CUS				
NAME OF SUBMITTER:	CHRIST	CHRISTOPHER S. DALY					
SIGNATURE:	/csd/	/csd/					
DATE SIGNED:	05/08/20	05/08/2017					
Total Attachments: 5		_					
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> PATENT REEL: 042279 FRAME: 0079

ASSIGNMENT

Whereas we, the undersigned, Flavio du Pin Calmon, Jason M. Cloud, Muriel Médard and Weifei Zeng hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: MULTI-PATH DATA TRANSFER USINO NETWORK CODING, identified as Attorney Docket No. MIT-256AUS, and Client Case No. 15402K, which application was executed on <u>JAAJ 30, 2013</u>, and filed on <u>JANORY 30, 2013</u> and assigned Application No. <u>13/754,378</u>. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request the attorneys at DALY, CROWLEY, MOFFORD & DURKEB, LLP, 354A Tumpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

Whereas MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a Massachusetts Corporation, having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignce to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

 Authorize Assignce to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignce or otherwise as Assignce may deem advisable, under the International Convention or otherwise;

Authorize and request the Commissioner of Patents and Trademarks of the United States
of America and the empowered officials of all other governments to issue or transfer all said Letters
Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee
may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignce without encumbrance;

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PATENT ASSIGNMENT Atty. Dokt. No.: MIT-256AUS Client Case No.: 15402K

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignes's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment as an instrument on the date indicated next to our name(s).

Deted: Jan. 30⁴⁴, 2013 Ealmon Flavio du Pin Calmon

On this 30 day of JAAJ, 2018, before me appeared

Plavio du Pin Calmon, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness Printed Name

On this $\underbrace{\mathscr{W}}_{Day}$ day of $\underbrace{\mathcal{J}_{ten}}_{Month}$, $\underbrace{\mathscr{U}/\mathscr{S}}_{Year}$, before me appeared

Flavio du Pin Calmon, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness Signature

David C. Adver

Second Witness Printed Name

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PATENT ASSIGNMENT Atty. Dckt. No .: MIT-256AUS Client Case No.: 15402K

Dated: JAN 30, 2013

Tason M. Cloud

On this 30 day of $\underbrace{\int_{\text{Restrict Y}}, 2013}_{\text{Mass}}$ before me appeared Jason M. Cloud, to me known and known to me to be the person described in and who executed the

foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness Signature

Flavie La Pin Calmon First Witness Printed Name

On this $\underline{3U}$ day of $\underbrace{\mathcal{T}_{\text{sec}}}_{\text{Month}}$, $\underline{2013}$, before me appeared Jason M. Cloud, to me known and known to me to be the person described in and who executed the

foregoing instrument, and he acknowledged the same to be his free act and depd.

Second Witness Signature

id C. Ao

Second Witness Printed Name

PATENT ASSIGNMENT Atty. Dckt. No.: MIT-256AUS Client Case No.: 15402K

Dated: January 39, 2013_

Muriel Médard

JAN, <u>200</u> before me appeared On this <u>30</u> day of _____

Muriel Médard, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness Signature

JASON M CLOUD First Witness Printed Name

On this $\frac{3\omega}{Day}$ day of $\frac{\sqrt{2}}{\sqrt{2}}$, $\frac{13}{\sqrt{2}}$, before me appeared

Muriel Médard, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness Signature

David C Adams

Second Witness Printed Name

PATENT ASSIGNMENT Atty. Dcki. No.: MIT-256AUS Client Case No.: 15402K

Dated: Jan. 3014, 2013

读未来 Weifei Z

On this <u>30</u> day of <u>01</u>, <u>2013</u>, before me appeared

Weifei Zeng, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

<u>ILACE FERMER</u> First Witness Printed Name

On this <u>30</u> day of <u>141</u>, <u>2013</u>, before me appeared Weifei Zeng, to me known and known to me to be the person described in and who executed the

foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness Signature

Second Witness Printed Name

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