PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel E. Lucani	07/28/2010
Minji Kim	07/27/2010
Fang Zhao	07/28/2010
Xiaomeng Shi	07/27/2010
Muriel Medard	07/29/2010
Marie-Jose Montpetit	07/29/2010

RECEIVING PARTY DATA

Name:	Massachusetts Institute of Technology	
Street Address:	77 Massachusetts Avenue	
City:	Cambridge	
State/Country:	MASSACHUSETTS	
Postal Code:	02139	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12846292

CORRESPONDENCE DATA

Fax Number: (508)616-9661

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Email: docket@chapin-ip-law.com

Correspondent Name: BARRY W. CHAPIN, ESQ. CHAPIN INTELLECTUA

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ATTORNEY DOCKET NUMBER: MIT10-02

> **PATENT** REEL: 024761 FRAME: 0622

501247589

NAME OF SUBMITTER:	David W. Rouille
Total Attachments: 8 source=MIT10-02_Assignment#page1.tif source=MIT10-02_Assignment#page2.tif source=MIT10-02_Assignment#page3.tif source=MIT10-02_Assignment#page4.tif source=MIT10-02_Assignment#page5.tif source=MIT10-02_Assignment#page6.tif source=MIT10-02_Assignment#page7.tif source=MIT10-02_Assignment#page8.tif	

ASSIGNMENT

WHEREAS, we, Daniel E. Lucani, Minji Kim, Fang Zhao, Xiaomeng Shi, Muriel Medard, and Marie-Jose Montpetit, have invented a certain improvement in NETWORK CODING FOR MULTI-RESOLUTION MULTICAST described in an application for Letters Patent of the United States, the specification of which:

[X]	us 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

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 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 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;

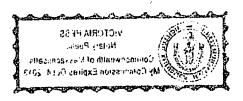
AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Date: 07/28/2050	Daniel & Sun
	Inventor's Signature
Print full name of first inventor: Residence: Citizenship: Mailing Address:	Daniel E. Lucani 161A Pearl St., Cambridge, MA 02139 VE Same as above
STATE/COMMONWEALTH OF COUNTY OF	ssechisetts delesex
through satisfactory evidence of identificativer's license; [1/2] (other)whose name is subscribed to the foregoing	, 2010, then personally appeared before known to me ation [] employee identification card; [] to be the personing Assignment and acknowledged that he/she dideed for the purposes therein contained.
VICTORIA HESS Notary Public Commonwealth of Massachusetts My Commission Expires Oct 4, 2013	Notary Public Print Name: WY Commission expires 10 / 4 / 2013

PATENT

REEL: 024761 FRAME: 0625



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Date: July 27. 1010	
*	Inventor's Signature
Print full name of second inventor:	Minji Kim
Residence:	72 Sixth St., Apt. 2, Cambridge, MA 02141
Citizenship:	KR
Mailing Address:	Same as above
STATE/COMMONWEALTH OF COUNTY OF	w-Jessey
through satisfactory evidence of identifica driver's license; []Hother)	, 2010, then personally appeared before known to me tion [
	Notary Public
	Print Name: PAULA MANZO My Commission evoires 69 to 2 to 2
	PAULA MANZÓ Notary Public State of New Jersey My Commission Expires See 2, 2013

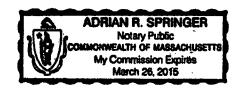
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Date: 28 July 2010	Inventor's Signature
Print full name of third inventor:	Fang Zhao
Residence: Citizenship:	60 Wadsworth St., Apt. 27D, Cambridge, MA 02142 SG
Mailing Address:	Same as above
STATE/ COMMONWEALTH OF	SINGAPORE
COUNTY OF	
hrough satisfactory evidence of ider driver's license; [] (other) whose name is subscribed to the for	, 2010, then personally appeared before known to me httfication [v] employee identification card; [_] to be the person egoing Assignment and acknowledged that he/she ct and deed for the purposes therein contained.
	Se Selione
	Notary Public Print Name: Sim Siew Kiang N2009/0503 1 0ct 2009 - 30 Sep 2010 **SINGAPORE**
	My Commission expires 30 / 9 / 2010

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Attorney Docket No: MIT10-02

Date: July 27, 2010	- Xiamere Shi
,	Inventor's Signature
Print full name of fourth inventor:	Xiaomeng Shi
Residence:	128 Church St., W. Roxbury, MA 02132
Citizenship:	CA
Mailing Address:	Same as above
STATE/COMMONWEALTH OF	Magachusetts Bristol
On this 27 ¹¹ day of 411	, 2010, then personally appeared before known to me
through satisfactory evidence of identific	ation [_] employee identification card;
whose name is subscribed to the forego	to be the person ing Assignment and acknowledged that he/she
executed the same as his/her free act ar	nd deed for the purposes therein contained.
	Notary Public
	Print Name:
	My Commission expires 3 1271 20/5



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Date: July 29, 2016.	
0 0	Inventor's Signature
Print full name of fifth inventor:	Muriel Medard
Residence:	45 Evergreen Way, Belmont, MA 02478
Citizenship:	US
Mailing Address:	Same as above
STATE/COMMONWEALTH OF	
COUNTY OF	
	, 2010, then personally appeared before known to me
driver's license: [] (other)	tification [] employee identification card; []
executed the same as his/her free ac	egoing Assignment and acknowledged that he/she and deed for the purposes therein contained.
	Notary Public
	Print Name:
	My Commission expires / /

Date: 29 14/4 20/0	
24 July 2010	
	Inventor's Signature
Print full name of sixth inventor:	Marie-Jose Montpetit
Residence:	25 John A. Andrew St., Unit 1, Boston, MA
Citizenship:	02130 CA
Mailing Address:	Same as above
STATE/COMMONWEALTH OF	
On this day of, 2010, 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/ /

RECORDED: 07/29/2010