

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Muriel Medard</td> <td>08/01/2013</td> </tr> <tr> <td>Xiaomeng Shi</td> <td>07/24/2013</td> </tr> <tr> <td>Marie-Jose Montpetit</td> <td>08/14/2013</td> </tr> <tr> <td>Surat Teerapittayanon</td> <td>08/02/2013</td> </tr> <tr> <td>Kerim Fouli</td> <td>08/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Muriel Medard	08/01/2013	Xiaomeng Shi	07/24/2013	Marie-Jose Montpetit	08/14/2013	Surat Teerapittayanon	08/02/2013	Kerim Fouli	08/08/2013
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<table border="1"> <tr> <td>Name:</td> <td>Massachusetts Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139		
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14013324</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14013324								
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CORRESPONDENCE DATA													
Fax Number: 7814019966 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: dm@dc-m.com Correspondent Name: Daly, Crowley, Mofford & Durkee, LLP Address Line 1: 354A Turnpike Street Address Line 2: Suite 301A Address Line 4: Canton, MASSACHUSETTS 02021-2714													
ATTORNEY DOCKET NUMBER:	MIT-261BUS												
NAME OF SUBMITTER:	John C. Scott												
Signature:	/jcs/												

CH \$40.00 14013324

Date:

08/30/2013

Total Attachments: 14

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ASSIGNMENT

Whereas we, the undersigned, Muriel Médard, Xiaomeng Shi, Marie-José Montpetit, Surat Teerapittayanon and Kerim Fouli hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: WIRELESS RELIABILITY ARCHITECTURE AND METHODS USING NETWORK CODING, identified as Attorney Docket No. MIT-261AUS, and Client Case No. 16029, which application was executed on 7/31/13; 7/24/13; 8/14/13; 8/21/13; 8/21/13, and filed on 11/16/2013 and assigned Application No. 13/298,566. 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 & DURKEE, LLP, 354A Turnpike 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;

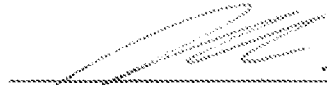
Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

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;
2. Authorize Assignee 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 Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. 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 Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee'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.

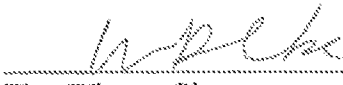
In testimony of which we have executed this Assignment as an instrument on the date indicated next to our name(s).

Dated: 08/01/2013


Muriel Médard

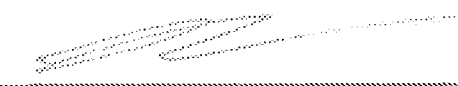
Witnessed by:

Dated: 8/1/2013


First Witness Signature

VIVECK R CADANBE
First Witness Printed Name

Dated: 8/1/2013


Second Witness Signature

Maheul Lem
Second Witness Printed Name

ASSIGNMENT

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2. Authorize Assignee 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 Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. 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;

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

Dated: _____

Muriel Médard

Witnessed by:

Dated: _____

First Witness Signature

First Witness Printed Name

Dated: _____

Second Witness Signature

Second Witness Printed Name

Dated: July 24, 2013

Xiaomeng Shi
Xiaomeng Shi

Witnessed by:

Dated: JULY 24, 2013

Kim J. Miller
First Witness Signature

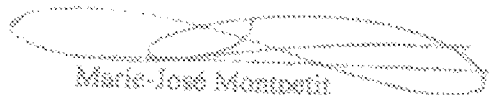
PETER FULLER
First Witness Printed Name

Dated: July 24, 2013

Chris An
Second Witness Signature

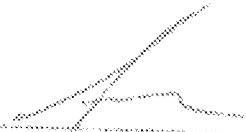
Chris An
Second Witness Printed Name

Dated: 8/14/2013

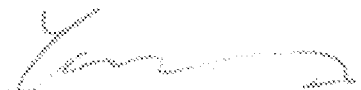

Marie-José Montpetit

Witnessed by:

Dated: 8-14-13


First Witness Signature
MAW DUFFY
First Witness Printed Name

Dated: 8-14-2013


Second Witness Signature
YANG CAO
Second Witness Printed Name

PATENT ASSIGNMENT
Atty. Dckt. No.: MIT-261AUS
Client Case No.: 16029

Dated: August 2, 2013

Surat Teerapittayanon
Surat Teerapittayanon

Witnessed by:

Dated: August 2, 2013

[Signature]
First Witness Signature

Hsieh-Chung Chen
First Witness Printed Name

Dated: August 2, 2013

[Signature]
Second Witness Signature

STEPHEN TARRA
Second Witness Printed Name

PATENT ASSIGNMENT
Atty. Dckt. No.: MIT-261AUS
Client Case No.: 16029

Dated: _____

Kerim Fouli

Witnessed by:

Dated: _____

First Witness Signature

First Witness Printed Name

Dated: _____

Second Witness Signature

Second Witness Printed Name

316404

ASSIGNMENT

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Dated: _____

Muriel Médard

Witnessed by:

Dated: _____

First Witness Signature

First Witness Printed Name

Dated: _____

Second Witness Signature

Second Witness Printed Name

PATENT ASSIGNMENT
Atty. Dckt. No.: MIT-261AUS
Client Case No.: 16029

Dated: _____

Xiaomeng Shi

Witnessed by:

Dated: _____

First Witness Signature

First Witness Printed Name

Dated: _____

Second Witness Signature

Second Witness Printed Name

PATENT ASSIGNMENT
Atty. Dckt. No.: MIT-261AUS
Client Case No.: 16029

Dated:

.....
Marie-José Montpetit

Witnessed by:

Dated:

.....
First Witness Signature

.....
First Witness Printed Name

Dated:

.....
Second Witness Signature

.....
Second Witness Printed Name

PATENT ASSIGNMENT
Atty. Dckt. No.: MIT-261AUS
Client Case No.: 16029

Dated:

.....
Suresh Teerapittayanon

Witnessed by:

Dated:

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First Witness Signature

.....
First Witness Printed Name

Dated:

.....
Second Witness Signature

.....
Second Witness Printed Name

PATENT ASSIGNMENT
Atty. Dckt. No.: MIT-261AUS
Client Case No.: 16029

Dated: August 8th 2013

K. Fouli
Kerim Fouli

Witnessed by:

Dated: August 8th 2013

Georgios Angelopoulos
First Witness Signature
Georgios Angelopoulos
First Witness Printed Name

Dated: August 8th 2013

Ulrich Mönich
Second Witness Signature
Ulrich Mönich
Second Witness Printed Name

316404