# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
HAMED OKHRAVI	08/09/2016
THOMAS R. HOBSON	08/09/2016
DAVID O. BIGELOW	08/09/2016
ROBERT RUDD	08/09/2016
WILLIAM W. STREILEIN	08/09/2016

### **RECEIVING PARTY DATA**

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City:	CAMBRIDGE	
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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15234028

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	MIT-320PUS	
NAME OF SUBMITTER:	KRISTOFFER W. LANGE	
SIGNATURE:	/Kristoffer W. Lange/	
<b>DATE SIGNED:</b> 08/15/2016		
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**Total Attachments: 7** 

PATENT REEL: 039432 FRAME: 0600

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PATENT REEL: 039432 FRAME: 0601

#### ASSIGNMENT

Whereas we, the undersigned, Hamed Okhravi, Thomas R. Hobson, David O. Bigelow,
Robert Rudd and William W. Streilein hereby have made certain inventions or discoveries (or both)
set forth in an application for Letters Patent of the United States of America entitled TIMELY
ADDRESS SPACE RANDOMIZATION, identified as Attorney Docket No. MI1-320PUS, and
CR. C. N. 195421 which application was executed on MY141114
and filed on MIIII 3011 and assigned Application No. 1010 12 1000
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
barehy authorize and request the afforneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 324A
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, PCT, PCT National Phase 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;

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PATENT ASSIGNMENT Atty. Dckt. No.: MIT-320PUS

Client Case No.: 18643L

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.

PATENT ASSIGNMENT Atty. Dckt. No.: MIT-320PUS

Client Case No.: 18643L

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

Dated: 8/9/16	Hamed Okhravi
Witnessed by:  Dated: 49/16	First Witness Signature  Particia Poss
Dated: 9 August 2016	First Witness Printed Name  Charles M. A. I.  Second Witness Signature  Charles M. Sm. H. I.  Second Witness Printed Name

PATENT ASSIGNMENT Atty. Dekt. No.: MIT-320PUS Client Case No.: 18643L

Witnessed by:

<u>Famela</u> Johnn First Witness Signature

PAMELA H HOBSON
First Witness Printed Name

Date: 8916

LESCIE CATOLA

Second Witness Printed Name

PATENT ASSIGNMENT Atty. Dekt. No.: MIT-320PUS Client Case No.: 18643L

Dated: 8/9/16	Dil Dan
	David O. Bigelow
Witnessed by:	
Dated: August 2016	Claren Modran I
<del></del>	First Witness Signature
	Charles H. Smith I
	First Witness Printed Name
Activ.	Doraic of an
Dated: 5/9//	Second Witness Signature
* *	ParriciaRoss
	Second Witness Printed Name

PATENT ASSIGNMENT Atty. Dckt. No.: MIT-320PUS Client Case No.: 18643L

Dated: 8/9/2016

Witnessed by:

Dated: \$/9/2016

First Witness Signature

Steven Gomez

First Witness Printed Name

Dated: 49/2016

Second Witness Printed Name

Second Witness Printed Name

PATENT ASSIGNMENT Atty. Dekt. No.: MIT-320PUS Client Case No.: 18643L

Dated: Carpet 9, 2016

William W Streilein

Witnessed by:

Dated:

First Witness Signature

First Witness Printed Name

Dated: 9 August 2016

Second Witness Signature

Charles M. Smith F Second Witness Printed Name

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