

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4745574

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAKSHMINARASIMHAN SETHUMADHAVAN	12/12/2017
ANGELOS KEROMYTIS	09/26/2017
VASILIS PAPPAS	12/13/2017
VASILEIOS KEMERLIS	09/12/2017
RECEIVING PARTY DATA	
Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
Street Address:	412 LOW MEMORIAL LIBRARY
Internal Address:	535 W. 116TH STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10027
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14946961
CORRESPONDENCE DATA	
Fax Number:	(617)500-2499
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	617-500-2500
Email:	info@orpatent.com
Correspondent Name:	OCCHIUTI & ROHLICEK LLP
Address Line 1:	321 SUMMER STREET
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	70020-003001
NAME OF SUBMITTER:	LISA WALSH
SIGNATURE:	/Lisa Walsh/
DATE SIGNED:	12/21/2017
Total Attachments: 4	
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ASSIGNMENT

For valuable consideration, we, **Lakshminarasimhan Sethumadhavan** of 1214 Amsterdam Avenue, MC 0401, New York, NY 10027, **Kanad Sinha** of 1214 Amsterdam Avenue, MC 0401, New York, NY 10027, **Angelos Keromytis** of 1214 Amsterdam Avenue, MC 0401, New York, NY 10027, **Vasileios Kemerlis** of 1214 Amsterdam Avenue, MC 0401, New York, NY 10027, **Vasilis Pappas** of 1214 Amsterdam Avenue, MC 0401, New York, NY 10027, hereby assign to The Trustees of Columbia University in the City of New York, having a place of business at 412 Low Memorial Library, 535 W. 116th Street, New York, NY 10027, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled **DIVERSIFIED INSTRUCTION SET PROCESSING TO ENHANCE SECURITY**, filed 11/20/2015, and assigned U.S. Serial Number 14/946,961, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 12 December 2017



Lakshminarasimhan Sethumadhavan

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Date: _____
_____ **Kanad Sinha**

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Date: 09/26/2017 _____
_____ **Angelos Keromytis**

WITNESSED BY: *Elizabeth Koutz* _____ Date: 09/26/2017 _____

WITNESSED BY: *[Signature]* _____ Date: 09/26/2017 _____

Date: _____
_____ **Vasileios Kemerlis**

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Dated: _____

Vasileios KEMERLIS

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Dated: 12/13/2017



Vasileios PAPPAS

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Date: _____

Kanad Sinha

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Date: _____

Angelos Keromytis

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____

Date: 09/12/2017



Vasileios Kemerlis

WITNESSED BY: Evgenia Giannopoulou Date: 09/12/2017

WITNESSED BY: Michalis Polychronakis Date: 09/12/2017

Date: _____

Vasilis Pappas

WITNESSED BY: _____ Date: _____

WITNESSED BY: _____ Date: _____