PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4977558

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GHENYA KROCHIK	04/02/2018
RAHUL SURAPARAJU	04/02/2018
MARIA PEREZ	04/18/2018

RECEIVING PARTY DATA

Name:	KONICA MINOLTA LABORATORY U.S.A., INC.
Street Address:	2855 CAMPUS DRIVE
Internal Address:	SUITE 100
City:	SAN MATEO
State/Country:	CALIFORNIA
Postal Code:	94010

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15828058	

CORRESPONDENCE DATA

Fax Number: (703)836-2021

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.

Phone: 703-836-6620

Email: gerianne.harrell@bipc.com

Correspondent Name: BUCHANAN INGERSOLL & ROONEY PC

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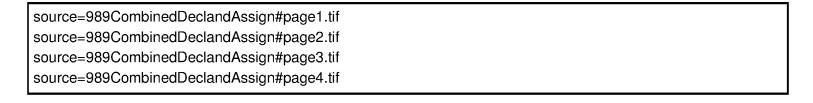
Address Line 2: SUITE 500

Address Line 4: ALEXANDRIA, VIRGINIA 22314

	_ _
ATTORNEY DOCKET NUMBER: 1018656-000989	
NAME OF SUBMITTER: GERIANNE E. HARRELL	
SIGNATURE:	/Gerianne E. Harrell/
DATE SIGNED:	05/24/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 045898 FRAME: 0664



PATENT REEL: 045898 FRAME: 0665

Attorney Docket No. 1018656-000989
Client Reference No. BIL-1445
IP Division Ref.: B46967US01
Application No. 15/828,058
Page 1 of 2

COMBINED DECLARATION AND ASSIGNMENT

(JOINT)

As one of the below named inventors, I her	by declare that this Declaration is directed to:
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(1) [XI	U.S. application number or PCT international application number <u>15/828,058</u> filed or <u>November 30, 2017</u> , entitled <u>INTERNET OF THINGS (IOT) MEDIATION AND</u> ADAPTATION SECURE APPLICATION GATEWAY; or
(2)		the attached application entitled <u>INTERNET OF THINGS (IOT) MEDIATION AND</u> ADAPTATION SECURE APPLICATION GATEWAY.

DECLARATION

As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventor (hereinafter referred to as "the Assignor"), respectively, witnesseth:

WHEREAS, the Assignor has invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, KONICA MINOLTA LABORATORY U.S.A., INC., a corporation of California whose post office address is 2855 Campus Drive, Suite 100, San Mateo, California 94010, United States of America (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby

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PATENT REEL: 045898 FRAME: 0666

Attorney Docket No. 1018656-000989
Client Reference No. BIL-1445
IP Division Ref.: B46967US01
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Page 2 of 2

sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment and the Proprietary Rights and Confidentiality Agreement;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will cooperate with Assignee, its lawful successors and assigns, or, in case that the rights in this Invention are further transferred from Assignee to an affiliate company, with the affiliate company in a manner consistent with existing and ongoing obligations under the Proprietary Rights and Confidentiality Agreement.

0Y-02-2018 Date	Ghenya KROCHIK Name	Signature
04-02-2018	Rahul SURAPARAJU	S. Rahul
Date	Name	Signature
Date	Maria PEREZ Name	Signature

REEL: 045898 FRAME: 0667

Attorney Docket No. 1018656-000989
Client Reference No. BIL-1445
IP Division Ref.: 846967US01
Application No. 15/828,058

Page 1 of 2

COMBINED DECLARATION AND ASSIGNMENT (JOINT)

As one of the below named inventors, I he	eby declare that this Declaration is directed to
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(1)	 U.S. application number or PCT international application number 15/828,058 filed on November 30, 2017, entitled INTERNET OF THINGS (IOT) MEDIATION AND ADAPTATION SECURE APPLICATION GATEWAY; or
(2)	 the attached application entitled INTERNET OF THINGS (IOT) MEDIATION AND ADAPTATION SECURE APPLICATION GATEWAY

DECLARATION

As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventor (hereinafter referred to as "the Assignor"), respectively, witnesseth:

WHEREAS, the Assignor has invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, KONICA MINOLTA LABORATORY U.S.A., INC., a corporation of California whose post office address is 2855 Campus Drive, Suite 100, San Mateo, California 94010, United States of America (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis

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Attorney Docket No. 1018656-000989
Client Reference No. BIL-1445
IP Division Ref.: B46967US01

Application No. <u>15/828,058</u>

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of this application, and all applications for Letters Patent which may hereafter be filed for this Invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment and the Proprietary Rights and Confidentiality Agreement;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will cooperate with Assignee, its lawful successors and assigns, or, in case that the rights in this Invention are further transferred from Assignee to an affiliate company, with the affiliate company in a manner consistent with existing and ongoing obligations under the Proprietary Rights and Confidentiality Agreement.

4/18/18	Mana Penz	Sher Per
Date	Name	Signature
Date	Name	Signature
Date	Name	Signature

PATENT Page 2 of 2 REEL: 045898 FRAME: 0669

RECORDED: 05/24/2018