505399954 03/28/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5446748

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOHAMMAD EL-SHABANI	03/27/2019
RON DIAMANT	03/27/2019
SAMUEL JACOB	03/27/2019
ILYA MINKIN	03/27/2019
RICHARD JOHN HEATON	03/28/2019

RECEIVING PARTY DATA

Name:	AMAZON TECHNOLOGIES, INC.
Street Address:	PO BOX 81226
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98108-1226

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16368263

CORRESPONDENCE DATA

Fax Number:

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Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/ AMAZ

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Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	097307-1120154 (131500US)
NAME OF SUBMITTER:	CASSANDRE BANEL
SIGNATURE:	/Cassandre Banel/
DATE SIGNED:	03/28/2019

Total Attachments: 8

PATENT REEL: 048731 FRAME: 0374

505399954

U.S. Patent Appln. No. 16/368,263 Attorney Docket No. 097307-1120154 (131500US)

Filing Date March 28, 2019 Client Docket No. P63701-US01

PARTIES TO THE ASSIGNMENT

Assignor(s):

Mohammad El-Shabani 410 Terry Avenue North Seattle, WA 98109-5210

Ron Diamant

410 Terry Avenue North Seattle, WA 98109-5210

Samuel Jacob

410 Terry Avenue North Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc. PO Box 81226 Seattle, WA 98108-1226 Ilya Minkin

410 Terry Avenue North Seattle, WA 98109-5210

Richard John Heaton 410 Terry Avenue North Seattle, WA 98109-5210

<u>AGREEMENT</u>

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"NON-INTRUSIVE HARDWARE PROFILING" (Invention) for which a non-provisional application for

United States Letters Patent (Application):

| was filed on ______ and accorded U.S. Application No. ______; or

| will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of <u>Kilpatrick Townsend & Stockton LLP</u>, associated with Customer No. <u>107508</u>, to insert in the header above and here in parentheses (U.S. Patent Application No. <u>16/368,263</u>, filed <u>March 28, 2019</u>) this application's U.S. application number and filing date, when known.

U.S. Patent Appln. No. 16/368,263

Attorney Docket No. 097307-1120154 (131500US)

Filing Date March 28, 2019

Client Docket No. P63701-US01

Title of Invention: NON-INTRUSIVE HARDWARE PROFILING

Inventors: Mohammad El-Shabani, Ron Diamant, Samuel Jacob, Ilya Minkin, Richard John

Heaton

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the

entire right, title and interest in and to the Invention and in and to any letters patent that may be

granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which

is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its

successors and assigns, the entire right, title and interest in and to said Invention and any

improvements thereto, said Application and any and all letters patent which may be granted for

said Invention in the United States of America and its territorial possessions and in any and all

foreign countries, and in any and all provisional, divisions, reissues, re-examinations and

continuations thereof, including the right to file foreign applications directly in the name of

ASSIGNEE and to claim priority rights deriving from said Application to which said foreign

applications are entitled by virtue of international convention, treaty or otherwise, said Invention,

Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its

successors and assigns for their use and benefit and of their successors and assigns as fully and

entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment,

transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner

of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to

issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all

instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said Invention, for litigation regarding said letters patent, or

for the purpose of protecting title to said Invention or letters patent therefor.

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U.S. Patent Appln. No. 16/368,263

Attorney Docket No. 097307-1120154 (131500US)

Filing Date March 28, 2019

Client Docket No. P63701-US01

Title of Invention: NON-INTRUSIVE HARDWARE PROFILING

Inventors: Mohammad El-Shabani, Ron Diamant, Samuel Jacob, Ilya Minkin, Richard John

Heaton

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its

successors, legal representatives, and assigns all claims for damages and all remedies arising out

of any violation of the rights assigned hereby that may have accrued prior to the date of

assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue

for, collect, and retain damages for past infringements of said letters patent before or after

issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate

to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR

respecting the Invention or said Application, and testify in any legal proceeding, assist in the

preparation of any other patent property relating to the Application and the Invention or any

improvements made thereto, sign/execute all lawful papers, provide all requested documents,

execute and make all rightful oaths and/or declarations in connection with the Application and

the Invention including any improvements made thereto, any patent applications filed therefrom,

and any continuing application filed from any of the aforementioned applications, and generally

do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain

and enforce proper patent protection for the Invention in all countries. These provisions are

binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

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PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. <u>16/368,263</u>	Attorney I	Docket No. <u>097307-11201</u>	<u>154 (131500US)</u>
Filing Date March 28, 2019		Client Docket No	o. <u>P63701-US01</u>
Title of Invention: <u>NON-INTRUSIVE HARDW</u>	ARE PROFILING	<u> </u>	
Inventors: Mohammad El-Shabani, Ron Di Heaton	amant, Samue	el Jacob, Ilya Minkin, Rich	nard John
DECLARATION As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
the attached application; or			
United States Patent Application	on number	filed on	; or
PCT International Application n	iumber	filed on	·····'
The above-identified application was made	e or authorized	d to be made by me.	
I believe that I am the original inventor or a application.	an original joir	nt inventor of a claimed Ir	ivention in the
I have reviewed and understand the conte	nts of the abo	ve-identified application,	and
acknowledge the duty to disclose to the US	5 Patent & Tra	demark Office all informa	ition known to
me to be material to the patentability as d	efined in 37 CI	FR 1.56.	
I hereby acknowledge that any willful false under 18 USC 1001 by fine or imprisonmer		_	
Mohammad El-Shabani/			
March 27, 2019			
Date			

U.S. Patent Appln. No. <u>16/368,263</u>	Attorney Docket No. <u>097307-1120154 (131500US)</u>
Filing Date March 28, 2019	Client Docket No. P63701-US01
Title of Invention: NON-INTRUSIVE HARDWAR	<u> PROFILING</u>
Inventors: Mohammad El-Shabani , Ron Diam Heaton	ant, Samuel Jacob, Ilya Minkin, Richard John
DECLARATION	
As a below named inventor, I hereby declare	chat:
This declaration is directed to:	
igstyle the attached application; or	
United States Patent Application r	number filed on; or
PCT International Application num	ber filed on
The above-identified application was made or	authorized to be made by me.
I believe that I am the original inventor or an application.	original joint inventor of a claimed Invention in the
аррисацон.	
I have reviewed and understand the contents	of the above-identified application, and
acknowledge the duty to disclose to the US Pa	atent & Trademark Office all information known to
me to be material to the patentability as defin	ned in 37 CFR 1.56.
I hereby acknowledge that any willful false sta	ntement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment o	f not more than five (5) years, or both.
Pocusigned by: /kon Diamant/	
March 27, 2019	
Date	

U.S. Patent Appln. No. <u>16/368,263</u>	Attorney Docket No. <u>097307-1120154 (131500US)</u>
Filing Date March 28, 2019	Client Docket No. <u>P63701-US01</u>
Title of Invention: NON-INTRUSIVE HARDWAR	PROFILING
Inventors: Mohammad El-Shabani , Ron Diam Heaton	ant, Samuel Jacob, Ilya Minkin, Richard John
DECLARATION	
As a below named inventor, I hereby declare	hat:
This declaration is directed to:	
igotimes the attached application; or	
United States Patent Application r	number; or
PCT International Application num	ber filed on
The above-identified application was made or	authorized to be made by me.
I believe that I am the original inventor or an application.	original joint inventor of a claimed Invention in the
I have reviewed and understand the contents	of the above-identified application, and
acknowledge the duty to disclose to the US Pa	itent & Trademark Office all information known to
me to be material to the patentability as defir	ned in 37 CFR 1.56.
I hereby acknowledge that any willful false sta under 18 USC 1001 by fine or imprisonment o	·
Docusigned by: /Samuel Jacob/ Samuel Jacob	
March 27, 2019	
Date	

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U.S. Patent Appln. No. <u>16/368,263</u>	Attorney Docket No. <u>097307-1120154 (131500US)</u>
Filing Date March 28, 2019	Client Docket No. <u>P63701-US01</u>
Title of Invention: NON-INTRUSIVE HARDWARI	PROFILING
Inventors: Mohammad El-Shabani , Ron Diam Heaton	ant, Samuel Jacob, Ilya Minkin, Richard John
<u>DECLARATION</u>	
As a below named inventor, I hereby declare t	:hat:
This declaration is directed to:	
igotimes the attached application; or	
United States Patent Application r	number filed on; or
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The above-identified application was made or	authorized to be made by me.
I believe that I am the original inventor or an opplication.	original joint inventor of a claimed Invention in the
I have reviewed and understand the contents	of the above-identified application, and
acknowledge the duty to disclose to the US Pa	atent & Trademark Office all information known to
me to be material to the patentability as defir	ned in 37 CFR 1.56.
I hereby acknowledge that any willful false sta under 18 USC 1001 by fine or imprisonment o	ntement made in this declaration is punishable f not more than five (5) years, or both.
Docusigned by: //lya Munkin/	
March 27, 2019	
Date	

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RECORDED: 03/28/2019

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. <u>16/368,263</u>	Attorney Docket No. <u>097307-1120154 (131500US)</u>
Filing Date March 28, 2019	Client Docket No. P63701-US01
Title of Invention: NON-INTRUSIVE HARDWAR	<u>E PROFILING</u>
Inventors: Mohammad El-Shabani, Ron Diam Heaton	ant, Samuel Jacob, Ilya Minkin, Richard John
DECLARATION	
As a below named inventor, I hereby declare	that:
This declaration is directed to:	
igstyle the attached application; or	
United States Patent Application r	number; or
PCT International Application num	ber filed on
The above-identified application was made or	authorized to be made by me.
I believe that I am the original inventor or an application.	original joint inventor of a claimed Invention in the
I have reviewed and understand the contents	of the above-identified application, and
acknowledge the duty to disclose to the US Pa	atent & Trademark Office all information known to
me to be material to the patentability as defin	ned in 37 CFR 1.56.
I hereby acknowledge that any willful false sta under 18 USC 1001 by fine or imprisonment o	ntement made in this declaration is punishable f not more than five (5) years, or both.
Docusigned by: /Kichard John Heaton/	
Richard John Heaton	
March 28, 2019	
Date	

Page 8 of 8