### 506353912 11/13/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6400666

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NIKOS ARECHIGA-GONZALEZ	11/09/2020
SOONHO KONG	11/02/2020
JONATHAN DECASTRO	11/09/2020
FRANK PERMENTER	11/09/2020
DENNIS PARK	11/12/2020

#### **RECEIVING PARTY DATA**

Name:	TOYOTA RESEARCH INSTITUTE, INC.	
Street Address:	4440 EL CAMINO REAL	
City:	LOS ALTOS	
State/Country:	CALIFORNIA	
Postal Code:	94022	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17097580

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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) 413-3000Email:ehasan@oblon.comCorrespondent Name:OBLON, ET AL.Address Line 1:1940 DUKE STREET

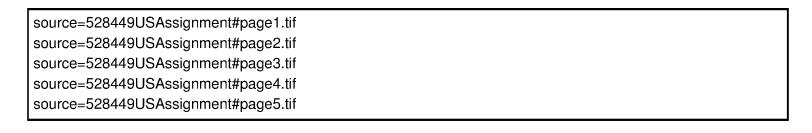
Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 528449US		
NAME OF SUBMITTER: EMEL HASAN		
SIGNATURE:	/Emel Hasan/	
<b>DATE SIGNED:</b> 11/13/2020		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 5

PATENT REEL: 054362 FRAME: 0419

506353912



### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	PREDICTIVE IMPAIRMENT MONITOR SYSTEM AND METHOD
As the below name	d inventor, I hereby declare that:
This declaration 🗵	The attached application, or
is directed to:	United States application or PCT international application number filed on
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred is desirous of acqui	YOTA RESEARCH INSTITUTE, INC.  It to as "ASSIGNEE") having places of business at: 4440 El Camino Real, Los Altos, CA 94022, ring the entire right, title and interest in and to said invention and in and to any Letters Patent that refore in the United States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
	Aledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Nikos	ARECHIGA-GOXZALEZ Date: 11/9/2020
Signature:	

OBION, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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As the below named inventor, I hereby declare that:		
This declaration  The attached application, or		
is directed to: United States application or PCT international application number 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 original joint inventor of a claimed invention in the application.		
WHEREAS, TOYOTA RESEARCH INSTITUTE, INC.  (hereinafter referred to as "ASSIGNEE") having places of business at: 4440 El Camino Real, Los Altos, CA 94022, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
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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.		
LEGAL NAME OF INVENTOR		
Inventor: Soonho KONG Date: 2 Nov 2020		
Signature: Sand Kan		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF INVENTOR		
Inventor: Jonathan DECASTRO Date: 9-Nov - 2020		
Signature: Joseph AD-Cook		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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As the below named :	nventor, I hereby decime that:	
This declaration 🖾 🗆	The attached application, or	
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Thelieve that I am the	original inventor or an original joint inventor of a claimed invention in the application.	
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I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behavior of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
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LEGAL NAME OF INVENTOR		
Inventor: Frank PE I	RMENTER 11-9-20	
Signature:		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	PREDICTIVE IMPAIRMENT MONITOR SYSTEM AND METHOD		
As the below name	d inventor, I hereby declare that:		
This declaration [S	The attached application, or		
is directed to:	United States application or PCT intended on	ernational application number	
The above-identifie	ed application was made or authorized		
I believe that I am	the original inventor or an original join	it inventor of a claimed invention in the application.	
(hereinafter referre is desirous of acqu	iring the entire right, title and interest i	f business at: 4440 El Camino Real, Los Altos, CA 94022, in and to said invention and in and to any Letters Patent that torial possessions and in any and all foreign countries;	
acknowledged, and said ASSIGNEE, the and in all foreign of other relevant Inte- interest in and to	d for other good and valuable consider the full and exclusive right to the said in countries (including the right to claim purnational Treaties and Arrangements from any and all Letters Patent which may no any and all foreign countries and	f FIVE DOLLARS (\$5.00), the receipt whereof is hereby ration, I, by these presents do sell, assign and transfer unto invention in the United States and its territorial possessions priority under the terms of the International Convention and rom the aforesaid application) and the entire right, title and be granted therefor in the United States and its territorial in and to any and all divisions, reissues, continuations,	
any and all foreig assignee of my en (his) successors ar	n countries to issue any and all of sai tire right, title and interest in and to the	cials in the United States and its territorial possessions and d Letters Patent, when granted, to said ASSIGNEE as the e same, for the sole use and behoof of said ASSIGNEE, its for which said Letters Patent may be granted, as fully and Assignment and sale not been made.	
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I hereby acknow by fine or imprisor	wledge that any willful false statement of mot more than five (5) years, or	made in this declaration is punishable under 18 U.S.C. 1001 or both.	
LEGAL NAME O	F INVENTOR		
Inventor: Dennis	S PARK	Date: 11/12/2020	
Signature:	DennisPark		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 054362 FRAME: 0425

**RECORDED: 11/13/2020**