505556601 07/03/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5603398

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAMI EL FERIK	05/23/2019
AHMED A. ADENIRAN	05/27/2019
MUIDEEN ADEGOKE	05/27/2019
MUSTAFA ALNASER	06/10/2019

RECEIVING PARTY DATA

Name:	KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
Street Address:	P.O. BOX 5071, INNOVATION AND INDUSTRIAL RELATION, INNOVATION CLUSTER BUILDING, DTV
City:	DHAHRAN
State/Country:	SAUDI ARABIA
Postal Code:	31261
Name:	YOKOGAWA SAUDI ARABIA COMPANY
Name: Street Address:	YOKOGAWA SAUDI ARABIA COMPANY IBN RUSHD STREET, DHAHRAN TECHNO-VALLEY, P.O. BOX 3368
Street Address:	IBN RUSHD STREET, DHAHRAN TECHNO-VALLEY, P.O. BOX 3368

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16502421

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

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	521433US
NAME OF SUBMITTER:	EMEL HASAN

PATENT 505556601 REEL: 049662 FRAME: 0515

SIGNATURE:	/Emel Hasan/
DATE SIGNED:	07/03/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4	
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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Lovenion	APPARATUS AND METHOD FOR FAILURE DETECTION
As the below numed	inventor, I hereby doctare that:
This declaration 🛭	The exacted application, or
is directed to:	United States applications on PCT international application number
The above-identifico	i application was made or authorized to be made by me.
I believe that I am th	e original inventor or an original joint inventor of a claimed invention in the Application.
WHEREAS, (1) K	ing Fahd University of Petroleum and Minerals and (2) Yokogawa Saudi Arabia Company
Relation, Innovation Techno-Valley, PO interests an the ensis	to as "ASSIGNEES") having places of business at (118.0, Box 5071, Innovation and Industrial Chaice Building, DTV, Dhahran, Saudi Arabia 31361 and (2) the Rustal Street, Dhahran Box 3368, Al-Khothar, Saudi Arabia 31982, respectively are desirous of joinsty acquiring a right, title and interest in and to said invention and in and to any Letters Patent that may be the United States and its territorial postersions and in any and all foreign countries;
acknowledged, and said ASSIGNEES, t said in all foreign so other resevent linear interest in and to ar	ORE, in consideration of the aum 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 untries (including the right to the said invention and intention of the International Convention and intentional Treaties and Arrangements from the aforesaid application) and the entire right, title and made all Letters Patera 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, towals thereof.
any and all foresgo assignment of my on their successors and	te and request the Pakent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, which granted, to said ASSIGNEES as the tire right, title and interest in and to the same, for the sole tase and behoof of said ASSIGNEES, assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been field by me had this Assignment and sale not been made.
sespecting said inv continuation, subdit all of said Letters f possible to aid said	that I will communicate to said ASSIGNEES or their representatives any facts known to me entions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, take, renewal and reissue applications, execute all necessary assignment papers to cause any and latent to be issued to said ASSIGNEES, make all rightful ossito, and, generally do everything ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said ted States and its berritorial passessions and in Mry and all foreign countries.
	iedge that any willful false detement made in this declaration is punishable under 18 U.S.C. 1901 ment of not more than five (5) years, or both.
LEGAL NAME OF	
lovestor: <u>Sami El</u>	FERIK Dute: #5/23/2019
Cinnellan Marie	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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Title of Invention	APPARATUS AND METHOD FOR FAILURE DETECTION	
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	
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, (1) King Fahd University of Petroleum and Minerals and (2) Yokogawa Saudi Arabia Company (hereinafter referred to as "ASSIGNEES") having places of business at: (1)P.O. Box 5071, Innovation and Industrial Relation, Innovation Cluster Building, DTV, Dhahran, Saudi Arabia 31261 and (2) Ibn Rushd Street, Dhahran Techno-Valley, PO Box 3368, Al-Khobar, Saudi Arabia 31952, respectively are desirous of jointly acquiring interests in 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 ASSIGNEES, 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 ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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.		
Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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.		
by fine or imprisonr	ledge 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: Ahmed	A. ADENIRAN Date: 27/05/2019	
Signature:	A	

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acknowledged, and said ASSIGNEES, and in all foreign c other relevant Inter interest in and to a	d for other good and valuable consideration, the full and exclusive right to the said inversountries (including the right to claim priori mational Treatics and Arrangements from tany and all Letters Patent which may be go any and all foreign countries and in a	/E DOLLARS (\$5.00), the receipt whereof is hereby it, I, by these presents do sell, assign and transfer unto nation in the United States and its territorial possessions by under the terms of the International Convention and the aforesaid application) and the entire right, title and ranted therefor in the United States and its territorial and to any and all divisions, reissues, continuations,
any and all foreign assignees of my er their successors an	n countries to issue any and all of said Lett intire right, title and interest in and to the sa	in the United States and its territorial possessions and ters Patent, when granted, to said ASSIGNEES as the time, for the sole use and behoof of said ASSIGNEES, which said Letters Patent may be granted, as fully and ignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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.		
	wiedge that any willful false statement made unent of not more than five (5) years, or bot	in this declaration is punishable under 18 U.S.C. 1001 h.
LEGAL NAME OF	FINVENTOR	
Inventor: Muidee		Date: <u>27/05/2019</u>
Signature:	Jaranianianianianianianianianianianianiania	

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RECORDED: 07/03/2019

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	rledge 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 O		
Inventor: Mustaf	Date: 10/6/2019	
Signature:	1 25	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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