PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4996278

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HATEM RMILI	05/16/2018
ABDALLAH DOBAIE	05/16/2018
RAJ MITTRA	05/15/2018

RECEIVING PARTY DATA

Name:	KING ABDULAZIZ UNIVERSITY	
Street Address:	P.O. BOX 80200	
City:	JEDDAH	
State/Country:	SAUDI ARABIA	
Postal Code:	21589	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16002494

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: mmurphy@oblon.com

Correspondent Name: OBLON. ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	506990US	
NAME OF SUBMITTER:	MATTHEW MURPHY	
SIGNATURE:	/Matthew Murphy/	
DATE SIGNED:	06/07/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

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> **PATENT REEL: 046016 FRAME: 0156** 504949531

Attorney Docket Number: 506990US

DECLARATION (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR L76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	BEAM SCANNING ANTENNA AND METHOD OF BEAM SCANNING
As the below name	d inventor, I hereby declare that:
This declaration [X	The attached application, or
is directed to:	United States application or PCT international application number filed on
The above-identifie	d 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.
WHEREAS, King	Abdulaziz University
A 102 CONTRACTOR STATE	to as "ASSIGNEE") having places of business at: <u>P.O. Box 80200</u> , Jeddah, Saudi Arabia 21589 irring the entire right, title and interest in and to said invention and in and to any Letters Patent therefore in the United States and its territorial possessions and in any and all foreign countries:
NOW, THEREF acknowledged, and said ASSIGNEE, th and in all foreign of other relevant Inter- interest in and to as	ORE, 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 e full and exclusive right to the said invention in the United States and its territorial possessions untries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and many 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.
assignee of my entir (his) successors and	te and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the e right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
Further, Lagree trespecting said invo- continuation, substit- all of said Letters I possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ute, renewal and reissue applications, execute all necessary assignment papers to cause any and fatent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ed States and its territorial possessions and in any and all foreign countries.
I hereby acknowle	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 100) tem of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Hatem R	
Signature:	401-04

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 046016 FRAME: 0157

Attorney Docket Number: 506990US

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 BEAM SCANNING ANTENNA AND METHOD OF BEAM SCANNING Invention	
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	
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, King Abdulaziz University (hereinafter referred to as "ASSIGNEE") having places of business at: P.O. Box 80200, Jeddah, Saudi Arabia 21589, 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 grunted 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.	
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.	
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: Abdallah DOBAIE Date: 16-05-2018	
Signature:	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 046016 FRAME: 0158

Attorney Docket Number: 506990US

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

Invention	DEAM SCANNING AN LENNA AND METHOD OF BEAM SCANNING
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
The above-identific	d 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 acq	g Abdulaziz University d to as "ASSIGNEE") having places of business at: P.O. Box 80200, Jeddah, Saudi Arabia 21589 uiring the entire right, title and interest in and to said invention and in and to any Letters Patent I therefore in the United States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, thand in all foreign conther 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 ountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my 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 enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re 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 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.	
	riedge 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: Raj MI	TTRA Date: 05/15/2018
Signature:	Q. Wilton

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 046016 FRAME: 0159

RECORDED: 06/07/2018