PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3209474

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EMCORE CORPORATION	01/26/2015

RECEIVING PARTY DATA

Name:	JOSEPH R. DEMERS
Street Address:	65 W. DAYTON ST., STE. 206
City:	PASADENA
State/Country:	CALIFORNIA
Postal Code:	91105

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10394326

CORRESPONDENCE DATA

Fax Number:

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: 303-499-3859
Email: PPGpatents@comcast.net
Correspondent Name: PRITZKAU PATENT GROUP, LLC
Address Line 1: 993 GAPTER ROAD
Address Line 4: BOULDER, COLORADO 80303

ATTORNEY DOCKET NUMBER:	PB-1CIP
NAME OF SUBMITTER:	ALYSSA BEYER
SIGNATURE:	/Alyssa Beyer/
DATE SIGNED:	02/03/2015

Total Attachments: 4
source=Emcore-Demers-Assignment-Final#page1.tif
source=Emcore-Demers-Assignment-Final#page2.tif
source=Emcore-Demers-Assignment-Final#page3.tif
source=Emcore-Demers-Assignment-Final#page4.tif

PATENT ASSIGNMENT

This PATENT ASSIGNMENT is entered into as of **January 26, 2015**, by and between **EMCORE Corporation**, a New Jersey corporation (the "Assignor"), and **Joseph R. Demers** (the "Assignee"). This Patent Assignment is being entered into pursuant to that certain Asset Purchase Agreement ("Purchase Agreement"), dated **December 30, 2014**, by and between the Assignor and the Assignee.

FOR GOOD AND VALUABLE CONSIDERATION, as recited in the Purchase Agreement, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, effective as of the date hereof, the Assignor hereby sells assigns, transfers, conveys and delivers to the Assignee all of the right, title and interest that the Assignor possesses and has the right to transfer in, to and under the patents and patent applications listed below:

U.S Patent No. 8,829,440, issued September 9, 2014 and entitled, TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH DISCRETE COARSE AND FINE TUNING

U.S. Patent No. 8,716,666, issued May 6, 2014 and entitled, METHOD OF DETECTING CONTAMINANT MATERIALS IN FOOD PRODUCTS

U.S. Patent No. 8,604,433, issued December 10, 2013 and entitled, TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH FREQUENCY SHIFTING OF SOURCE LASER BEAM

U.S. Patent No. 8,193,503, issued June 5, 2012 and entitled METHOD OF DETECTING ORGANIC MATERIALS USING TERAHERTZ SPECTROSCOPY

U.S. Patent No. 7,936,453, issued May 3, 2011 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH INTEGRATED DUAL LASER MODULE

U.S. Patent No. 7,781,736, issued August 24, 2010 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH CONTROLLABLE PHASE SHIFT

U.S. Patent No. 7,672,068, issued March 2, 2010 and entitled SUB-MICRON ADJUSTABLE MOUNT FOR SUPPORTING A COMPONENT AND METHOD

U.S. Patent No. 7,535,005, issued May 19, 2009 and entitled PULSED TERAHERTZ SPECTROMETER

U.S. Patent No. 7,439,511, issued October 21, 2008 and entitled PULSED TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH SINGLE MODE-LOCKED LASER AND DISPERSIVE PHASE MODULATOR

U.S. Patent No. 7,430,081, issued September 30, 2008 and entitled SUB-MICRON ADJUSTABLE MOUNT FOR SUPPORTING A COMPONENT AND METHOD

U. S. Patent No. 7,291,839, issued November 6, 2007 and entitled SUBCENTIMETER RADIATION DETECTION AND FREQUENCY DOMAIN SPECTROSCOPY

U.S. Patent No. 7,126,078, issued October 24, 2006 and entitled SUB-MICRON ADJUSTABLE MOUNT FOR SUPPORTING A COMPONENT AND METHOD

U.S. Patent No. 7,075,028, issued July 11, 2006 and entitled SUB-MICRON ADJUSTABLE MOUNT FOR SUPPORTING A COMPONENT AND METHOD

U.S. Patent Application Serial No. 29/429,384, filed August 10, 2012 and entitled ANTENNA FOR PHOTOCONDUCTIVE SWITCH SEMICONDUCTOR DEVICE

U.S. Patent Application Serial No. 14/515,852, filed October 16, 2014 and entitled TERAHERTZ SPECTROMETER AND METHOD FOR REDUCING PHOTOMIXING INTERFERENCE PATTERN

U.S. Patent Application Serial No. 14/490,411, filed September 18, 2014 and entitled TRANSCEIVER METHOD AND APPARATUS HAVING PHASE MODULATION AND COMMON MODE PHASE DRIFT REJECTION

U.S. Patent Application Serial No. 14/262,291, filed April 25, 2014 and entitled TERAHERTZ SPECTROMETER WITH PHASE MODULATION

U.S. Patent Application Serial No. 14/262,249, filed April 25, 2014 and entitled TERAHERTZ SPECTROMETER WITH PHASE MODULATION AND METHOD

U.S. Patent Application Serial No. 14/212,542, filed March 14, 2014 and entitled TERAHERTZ SPECTROMETER PHASE MODULATOR CONTROL USING SECOND HARMONIC NULLING

U.S. Patent Application Serial No. 14/183,088, filed February 18, 2014 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH A SINGLE PHOTOCONDUCTIVE ELEMENT FOR TERAHERTZ SIGNAL GENERATION AND DETECTION

U.S. Patent Application Serial No. 14/172,593, filed February 4, 2014 and entitled APPARATUS AND METHOD FOR DETECTING IMPURITY IN NON-POLAR MATERIALS

U.S. Patent Application Serial No. 14/054,599, filed October 15, 2013 and entitled METHOD AND APPARATUS FOR ANALYZING, IDENTIFYING OR IMAGING A TARGET

U.S. Patent Application Serial No. 14/033,114 filed September 20, 2013 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH HETERODYNE DOWNCONVERSION

U.S. Patent Application Serial No. 13/827,939, filed March 14, 2013 and entitled POLARIZATION INSENSITIVE PHOTOCONDUCTIVE SWITCH

U.S. Patent Application Serial No. 13/565,021, filed August 2, 2012 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH PHASE MODULATION OF SOURCE LASER BEAM

German Patent Application Number DE 20091015565, filed March 30, 2009 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH INTEGRATED DUAL LASER MODULE

Japanese Patent Number JP 5,546,789 B2, filed April 3, 2009 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH INTEGRATED DUAL LASER MODULE

UK Patent Number GB 2,458,802 B, filed March 31, 2009 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH INTEGRATED DUAL LASER MODULE

UK Patent Number GB 2,469,944 B, filed March 31, 2009 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH INTEGRATED DUAL LASER MODULE

UK Patent Number GB 2,469,945 B, filed March 31, 2009 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH INTEGRATED DUAL LASER MODULE

UK Patent Number GB 2,476,165 A, filed December 8, 2010 and entitled METHOD OF DETECTING ORGANIC MATERIALS USING TERAHERTZ SPECTROSCOPY

German Application Number DE 20101050595, filed November 5, 2010 and entitled METHOD OF DETECTING ORGANIC MATERIALS USING TERAHERTZ SPECTROSCOPY

Canadian Patent Application Number CA 2,719,217 A1, filed October 28, 2010 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH FREQUENCY SHIFTING OF SOURCE LASER BEAM

UK Patent Number GB 2,483,118 B, filed October 8, 2010 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH FREQUENCY SHIFTING OF SOURCE LASER BEAM

Japanese Patent Number JP 5,337,132 B2, filed October 10, 2010 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH FREQUENCY SHIFTING OF SOURCE LASER BEAM

UK Patent Number GB 2,505,036 B, filed May 30, 2013 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH PHASE MODULATION OF SOURCE LASER BEAM

German Patent Application DE 201310215162, filed August 1, 2013 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER

UK Patent Number GB 2,511,242 A, filed May 30, 2013 and entitled TERAHERTZ FREQUENCY DOMAIN SPECTROMETER WITH PHASE MODULATION OF SOURCE LASER BEAM

Together with (i) any and all continuations, divisionals, provisionals and patents issuing on any of the foregoing, and all reissues, reexaminations, substitutions, renewals and extensions and other review procedures that, now or hereafter, of, or that arise out of, descend from, or claim priority to, any of the foregoing patents and patent applications, whether directly or indirectly, existing or future; (ii) any and all foreign patents, foreign patent applications, and foreign counterparts, now or hereafter existing, of or that claim priority to, or from which priority is claimed for, any of the foregoing, whether directly or indirectly, existing or future; and (iii) the right to recover for damages and profits for past and future infringements and misappropriations of any part of any of the foregoing, and the right to sue for and recover the same throughout the world in the name of Assignee or its designee and the right to register, file, and seek protection for any of the foregoing throughout the world.

This Patent Assignment is subject to all of the terms, conditions and limitations set forth in the Purchase Agreement. In the event of any conflict or inconsistency between the terms of this Patent Assignment and the terms of the Purchase Agreement, the terms of the Purchase Agreement will prevail. Nothing contained herein shall be deemed to alter, modify, expand or diminish the terms of the Purchase Agreement.

The Assignment may be made of record in any government and/or administrative authorities, including in the United States Patent and Trademark Office, as appropriate and desired by Assignee.

The Assignor hereby agrees that it will, at any time and from time to time after the date hereof and at Assignee's cost, and without further consideration, take such further actions, and execute and deliver such further instruments or documents, as may be reasonably requested by the Assignee to effectuate the purposes of this Patent Assignment; provided, however, that the parties' obligations under this provision shall be subject to any restrictions and limitations as are set forth in the similar provisions of the Purchase Agreement and nothing herein shall be deemed to modify, amend, expand or affect in any way the parties' respective rights and obligations under the Purchase Agreement.

This Patent Assignment will be governed by and construed in with and governed by the Laws of the State of California without regard to the conflicts of Laws provisions thereof.

This Patent Assignment may be executed in two or more counterparts, each of which will be deemed an original, but all of such counterparts taken together shall constitute one and the same agreement. This Patent Assignment may be executed and delivered by facsimile or electronic transmission

IN WITNESS WHEREOF, the parties hereto have caused this Patent Assignment to be duly executed by their respective authorized officers as of the date first above written.

EMCORE CORPORATION

By: _____

Name: Alfredo Gomez

Title: General Council

JOSEPH R. DEMERS

By: _____

Name: Joseph R. Demers

Title: Individual

4/4