503630866 12/30/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDROS P. PAPAVASILIOU	12/07/2015
JEFFREY F. DENATALE	12/07/2015
ALAN ROLL	11/03/2015

RECEIVING PARTY DATA

Name:	TELEDYNE SCIENTIFIC & IMAGING, LLC
Street Address:	1049 CAMINO DOS RIOS
City:	THOUSAND OAKS
State/Country:	CALIFORNIA
Postal Code:	91360

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14985101

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	490P-2013-009US1		
NAME OF SUBMITTER:	STEVEN C. PATRICK		
SIGNATURE:	/Steven C. Patrick/		
DATE SIGNED:	12/30/2015		

Total Attachments: 3

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PATENT REEL: 037387 FRAME: 0413 503630866

ASSIGNMENT

We, Alexandros P. Papavasiliou, residing in Thousand Oaks, California, Jeffrey F. DeNatale, residing in Thousand Oaks, California, and David J. Gulbransen, residing in Thousand Oaks, California (hereinafter "Inventors"), represent that we have invented improvements in a new and useful "VERTICAL CAPACITOR CONTACT ARRANGEMENT AND FABRICATION METHOD" (hereinafter the "Invention"). The Invention has been disclosed to Teledyne Scientific & Imaging, LLC, 1049 Camino Dos Rios, Thousand Oaks, California, 91360 and identified as Invention Disclosure No. 490P-2013-009US1. The Invention is covered by a patent application executed and filed concurrently herewith.

It is agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Inventors have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto Teledyne Scientific & Imaging, LLC the entire right, title, and interest in and to the Invention and the patent application for the territory of the United States of America and for all foreign countries; the Invention and application to be held and enjoyed by Teledyne Scientific & Imaging, LLC, for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on the same are granted, as fully and entirely as the same would have been held by the Inventors had this Assignment and sale not been made.

FURTHER, the Inventors hereby agree to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on the Invention, including any divisional, continuation, continuation-in-part, substitution, or reissue applications.

EXECUTED at Thousand O	aks, County of Ventura, and State of	California this 7 day of
Alexandros P. Papavasiliou		le
David J. Gulbransen		
STATE OF CALIFORNIA) ss. SEE ATTACHED NATORY	AL CERTIFICATE
COUNTY OF VENTURA)	
title of the officer), personal David J. Gulbransen, who pr whose name(s) is/are subse he/she/they executed the san	before me, ly appeared Alexandros P. Papavasilio oved to me on the basis of satisfactory cribed to the within instrument and ne in his/her/their authorized capacity(nt the person(s), or the entity upon b nt.	ou, Jeffrey F. DeNatale, and vevidence to be the person(s) acknowledged to me that (ies), and that by his/her/their
I certify under PENALTY Of foregoing paragraph is true at	PERJURY under the laws of the State and correct.	e of California that the
WITNESS my hand and offic	cial seal.	
Signature		(Seal)

PATENT REEL: 037387 FRAME: 0414

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RE DOCKET NO. 4909-2013-009 USI TO TELEDYNE SCIENTIFIC & IMPOING LIC

Signer Is Representing:

PATENT REEL: 037387 FRAME: 0415

ASSIGNMENT

I, Alan Roll, residing in Oak Park, California (hereinafter "Inventor"), represent that I have invented improvements in a new and useful "VERTICAL CAPACITOR CONTACT ARRANGEMENT AND FABRICATION METHOD" (hereinafter the "Invention"). The Invention has been disclosed to Teledyne Scientific & Imaging, LLC, 1049 Camino Dos Rios, Thousand Oaks, California, 91360 and identified as Invention Disclosure No. 490P-2013-009US1. The Invention is covered by a patent application executed and filed concurrently herewith.

It is agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Inventor has sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto Teledyne Scientific & Imaging, LLC the entire right, title, and interest in and to the Invention and the patent application for the territory of the United States of America and for all foreign countries; the Invention and application to be held and enjoyed by Teledyne Scientific & Imaging, LLC, for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on the same are granted, as fully and entirely as the same would have been held by the Inventor had this Assignment and sale not been made.

FURTHER, the Inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on the Invention, including any divisional, continuation, continuation-in-part, substitution, or reissue applications.

EXECUTED at Oak California this 3 day of	Park,	County of _	Ventura	, and State of
California this <u>3</u> day of	November	, 2015.		-
Alan Roll	<i>1</i> 			
STATE OF CALIFORNIA)			
COINTY OF VENEZUDA) ss.			
COUNTY OF VENTURA)			
On	before me, _		, (here	insert name and
Ontitle of the officer), personally	appeared			
ma on the basis of actisfactor	er ovidonos 4s les	- 41	1 ():	, who proved to
me on the basis of satisfactor the within instrument and ack authorized capacity(ies), and the entity upon behalf of which	nowledged to me that by his/her/th	e that he/she/the neir signature(s)	y executed the sar on the instrument	ne in his/her/their
I certify under PENALTY OF foregoing paragraph is true an		er the laws of the	e State of Californ	ia that the
WITNESS my hand and offic	ial seal.			
Signature				(Sool)

PATENT REEL: 037387 FRAME: 0416

RECORDED: 12/30/2015