PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERDAL OZKAN	01/24/2018
XIAOLONG YIN	01/24/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	62476422
Application Number:	15936181

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ATTORNEY DOCKET NUMBER:	4843-150, 4843-150-PROV
NAME OF SUBMITTER:	BRYAN A. HALL
SIGNATURE:	/Bryan A. Hall/
DATE SIGNED:	08/23/2019

Total Attachments: 3

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PATENT 505638029 REEL: 050153 FRAME: 0804

ASSIGNMENT

WHEREAS, we, Yusuf Akin Koksal of 8080 E. Vassar Dr., Denver, CO 80231, Necati Umit Kaya of 2700 Hanover Street, Denver, CO 80238, Xiaolong Yin of 21 Wood Sorrel, Littleton, CO 80127, and Erdal Ozkan of 5260 Windflower Lane, Highlands Ranch, CO 80130, have invented a certain new and useful invention entitled "OPTICAL SYSTEM FOR MEASURING PRESSURE AND PHASE CHANGES IN FLUIDS", for which a provisional United States patent application has been prepared and filed on March 24, 2017, receiving Serial No. 62/476,422 and further identified as Attorney File No. 4843-150-PROV;

NOW THEREFORE, be it known that we Xiaolong Yin and Erdal Ozkan, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign, and transfer unto said assignee, Colorado School of Mines having a place of business at 1500 Illinois Street, Golden, CO 80401, its successors, legal representatives, and assigns, the aforesaid patent applications, the invention(s) described therein and any modification and/or improvement(s) to the invention(s) thereof and all continuation, divisional, continuation-in-part, and reissue applications associated therewith; all corresponding patent applications in foreign countries; all applications pursuant to the Patent Cooperation Treaty; all applications for extension filed or to be filed for the invention(s), improvements and/or modifications; and all Letters Patent, Invention Registrations, Utility Models, Extensions, Reissues, and other patent rights obtained for the invention(s), improvements and/or modifications in the United States or any other country;

We also assign any right, title, and interest in and to the invention(s), improvements and/or modifications, which has not already been transferred to the assignee;

We warrant that we have made no assignment of the invention(s), application(s), and/or patent therefor to a party other than Colorado School of Mines, and we are under no obligation to make any assignment of the invention(s), including improvements and/or modifications to the invention(s), application(s), or patent(s) therefor to any other party; and

We further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention(s), but at the expense of said assignee.

We have reviewed and understand the contents of the application(s), including the claims thereof, which may have been amended by a preliminary amendment filed with the application(s) or which are contemplated. We affirm that the above-identified inventions and applications were made or authorized to be made by us. We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. We hereby acknowledge that any willful false statement regarding inventorship of these applications is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Date: <u>6//24/20/8</u>	By: Erdal Ozkan
STATE OF Colorado COUNTY OF JEFFEISON)) ss.)
known to me to be the person what acknowledged to me that he/she ex expressed.	for said County and State, personally appeared Erdal Ozkan hose name is subscribed to the foregoing instrument, and ecuted the same for the purposes and considerations therein all of office this 24 day of 3011
	Paula Mar Seoze
My commission expires: 2 11/2	Notary Public
	PAULA MACGEORGE Notary Public State of Colorado Notary ID 20164003983 My Commission Expires Feb 1, 2020

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent(s) solely in accordance with the terms of this Assignment, to Colorado School of Mines, its successors, legal representatives, and assigns, as the assignee of the entire right, title, and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Before me, a Notary Public in and for said County and State, personally appeared Xiaolong Yin, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 24 day of 32 wary, 2017.

Paula War Public

My commission expires: 2/1/2020

-2-