506160810 07/20/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANIRUDHA V. SUMANT	12/12/2017
ALI ERDEMIR	12/12/2017
DIANA BERMAN	12/12/2017

RECEIVING PARTY DATA

Name:	UCHICAGO ARGONNE, LLC	
Street Address:	5801 SOUTH ELLIS AVENUE	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60637	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16932202

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	051583-0939	
NAME OF SUBMITTER:	MATTHEW E. MARTIN	
SIGNATURE:	/Matthew E. Martin/	
DATE SIGNED:	07/20/2020	

Total Attachments: 3

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PATENT 506160810 REEL: 053249 FRAME: 0283

ASSIGNMENT

We Anirudha Sumant of Plainfield and Ali Erdemir of Naperville, all in the State of Illinois, for good and valuable considerations to us in hand paid, the receipt and sufficiency whereof is hereby acknowledged, have sold, assigned, conveyed and set over, and do hereby sell, assign, convey and set over unto UChicago Argonne, LLC, having a place of business at 5801 South Ellis Avenue, Chicago, Illinois 60637, its successors and assigns, the entire right, title and interest in and to all subject matter invented or designed by us and disclosed in the patent application for the ANL-IN-15-147 entitled, "LOW FRICTION WEAR RESISTANT GRAPHENE FILMS", filed in the United States Patent and Trademark Office on February 9, 2017 and assigned U.S. Patent Application Serial #15/428,387, executed by us on the date hereinafter set forth, and any divisions and continuations thereof and in and to all Letters Patent of the United States, including any reissues and extensions thereof that may be obtained therefor, and the right, where such right can be legally exercised, in its own name to apply for and obtain Letters Patent, Inventor's Certificates. Utility Models and Designs, in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention as fully and entirely as we could have done if the application had been in our names, and the entire interest in any Letters Patent, Inventor's Certificate, Utility Model or Design which may be granted on any such application in such foreign country; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue Letters Patent, Inventors Certificates, Utility Models or Designs, on applications as aforesaid, to issue any and all Letters Patent, Inventor's Certificates, Utility Models and Designs that may be granted for said invention to said UChicago Argonne, LLC, its successors and assigns.

And for the above-named considerations, we hereby agree that we will without additional compensation but without cost to ourselves, promptly communicate to UChicago Argonne, LLC, its successors and assigns, any facts known to us respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications for Letters Patent, Inventor's Certificates, Utility Models and Designs and assignments thereof, make all rightful oaths and generally do everything possible to aid said assignce, its successors and assigns, as and when requested by them, in obtaining and enforcing proper Letters Patents, Inventor's Certificate, Utility Model and Design protection for said invention or inventions and improvements, in the United States and in all other countries. Dated: 12/12/17 Anfrudha V. Sumant

Dated: 12/18/14 All Erdennir

PATENT REEL: 053249 FRAME: 0284

ASSIGNMENT

I, Diana Berman of Denton, Texas for good and valuable considerations to me in hand paid, the receipt and sufficiency whereof is hereby acknowledged, have sold, assigned, conveyed and set over, and do hereby sell, assign, convey and set over unto UChicago Argonne, LLC, having a place of business at 5801 South Ellis Avenue, Chicago, Illinois 60637, its successors and assigns, the entire right, title and interest in and to all subject matter invented or designed by me and disclosed in the patent application entitled," LOW FRICTION WEAR RESISTANT GRAPHENE FILMS" (ANL-IN-15-147) filed in the U.S. Patent and Trademark Office on February 9, 2017 as Application Serial No. 15/428,387 and any divisions and continuations thereof and in and to all Letters Patent of the United States, including any reissues and extensions thereof that may be obtained therefor, and the right, where such right can be legally exercised, in its own name to apply for and obtain Letters Patent, Inventor's Certificates, Utility Models and Designs, in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention as fully and entirely as I could have done if the application had been in my name, and the entire interest in any Letters Patent, Inventor's Certificate, Utility Model or Design which may be granted on any such application in such foreign country; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue Letters Patent, Inventors Certificates, Utility Models or Designs, on applications as aforesaid, to issue any and all Letters Patent, Inventor's Certificates, Utility Models and Designs that may be granted for said invention to said UChicago Argonne, LLC, its successors and assigns.

And for the above-named considerations, I hereby agree that I will without additional compensation but without cost to myself, promptly communicate to said UChicago Argonne, LLC, its successors and assigns, any facts known to us respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications for Letters Patent, Inventor's Certificates, Utility Models and Designs and assignments thereof, make all rightful oaths and generally do everything possible to aid said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper Letters Patents, Inventor's Certificate, Utility Model and Design protection for said invention or inventions and improvements, in the United States and in all other countries.

 Diana Berman
 12/12/17
 Printed Name
 12/12/17
 Printed Date
 Signature
 12/12/17

 Lisa Ounlos
 12/12/17
 12/12/17
 12/12/17
 12/12/17

 Witness Printed Name
 Printed Date
 Witness Signature
 Dated

PATENT REEL: 053249 FRAME: 0285 STATE OF ILLINOIS

SS

COUNTY OF DU PAGE. 2017, before me a Notary Public in and for the County and State of the day of 2017, before me a Notary Public in and for the County and State aforesaid, appeared the above named persons, who are personally known to me to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed same instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

"OFFICIAL SEAL" Debbie J Krakowski

Notary Public, State of Illinois My Commission Expires 11/20/2019

> PATENT REEL: 053249 FRAME: 0286

RECORDED: 07/20/2020