504354931 05/07/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
MARK ANTONIO	04/13/2017
ANDREAS K. ROELOFS	04/13/2017

RECEIVING PARTY DATA

Name:	UCHICAGO ARGONNE, LLC
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City:	CHICAGO
State/Country:	ILLINOIS
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15061696

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 051583-0713	
NAME OF SUBMITTER:	MATTHEW E. MARTIN
SIGNATURE:	/Matthew E. Martin/
DATE SIGNED:	05/07/2017

Total Attachments: 2

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PATENT 504354931 REEL: 042418 FRAME: 0718

ASSIGNMENT

We, Mark Antonio of Naperville, and Andreas K. Roelofs of Wheaton, both 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 ANL-IN-15-063 entitled, "SYSTEMS AND METHODS FOR TOP-DOWN FABRICATION OF WAFER SCALE TMDC MONOLAYERS, filed in the United States Patent and Trademark Office on March 4, 2016 and assigned Application Serial No. 15/061,696, executed by us 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 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.

Dated: APEIL... 13 7017

Dated: ATMIL 13, 2017

Mark Antonio

Andreas K. Roelofs

STATE OF ILLINOIS)			
) ss			
COUNTY OF DU PAGE				
On this Barage day of	ove named persons, while foregoing instrument	ho are personally kn nt, and acknowledge	try Public in and for the Coun town to me to be the same pe ed that they executed same in ressed.	rsons whose
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RECORDED: 05/07/2017

PATENT REEL: 042418 FRAME: 0720