503947330 08/05/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MONG-KAI WU	07/30/2016

RECEIVING PARTY DATA

Name:	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14545587

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NAME OF SUBMITTER:	MARTIN NOVACK
SIGNATURE:	/martin novack/
DATE SIGNED:	08/05/2016

Total Attachments: 2

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PATENT 503947330 REEL: 039348 FRAME: 0651

ASSIGNMENT

WHEREAS, we, Milton Feng, Nick Holonyak, Jr., and Mong-Kai Wu, hereinafter collectively referred to as the "Inventors", have invented certain new and useful improvements in "Transistor Laser Optical Switching And Memory Techniques And Devices" as described and set forth in an application for Letters Patent of the United States of America filed on May 26, 2015.

AND WHEREAS, The Board Of Trustees Of The University Of Illinois, hereinafter referred to as the "said UNIVERSITY", a corporation duly organized, incorporated and existing under the laws of the State of Illinois and having a place of business at 506 South Wright Street, Urbana Illinois 61801, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to any patent applications that may be filed thereon, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we, the Inventors, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said UNIVERSITY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to any applications filed in the United States or any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions, or improvements.

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said invention, inventions, or improvements to said UNIVERSITY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said UNIVERSITY, its successors and assigns.

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AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we do hereby covenant and agree to and with the said UNIVERSITY, its successors and assigns, that we, our executors, administrators, or other personal representatives, will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said UNIVERSITY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said UNIVERSITY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF, we have hereunto set our hand on the date indicated.

Witness:	Inventor: Milton Feng
Date	Date
Witness:	Inventor: Nick Holonyak, Jr.
Date	Date
Witness:	Mong- (Gu UM Inventor Mong-Kai Wu
	1/30/20/6
Date	Date

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