501948954 06/08/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Himanshu Jain	11/15/2011
Hassan Moawad	11/07/2011

RECEIVING PARTY DATA

Name:	Lehigh University	
Street Address:	354 Whitaker Laboratory	
Internal Address:	5 East Packer Avenue	
City:	Bethlehem	
State/Country:	PENNSYLVANIA	
Postal Code:	18015	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13273577

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 12407-48

NAME OF SUBMITTER: Kurt L. Ehresman

Total Attachments: 3

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> PATENT REEL: 028342 FRAME: 0955

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ASSIGNMENT AND AGREEMENT

ASSIGNOR(S): Hassan M.M. Moawad, of Bethlehem, PA

Himanshu Jain of Bethlehem, PA

ASSIGNEE: Lehigh University

5 East Packer Avenue Bethlehem, PA 18015

PATENT APPLICATION:

Title: FABRICATION OF NANOPOROUS GLASS FIBER FOR FLEXIBLE

BIOSCAFFOLDS AND OTHER PRODUCTS

Serial Number: 13/273,577

Filing Date: October 14, 2011

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) have sold, assigned and transferred, and do hereby sell, assign and transfer unto ASSIGNEE and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements the invention(s) described, illustrated and claimed in the application for Letters Patent of the United States of America identified above, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

ASSIGNOR(S) hereby authorize ASSIGNEE or ASSIGNEE'S representative to insert the application serial number and the filing date on this assignment if either is unknown at the time of execution of this assignment.

ASSIGNOR(S) hereby also sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefore in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and ASSIGNOR(S) further authorize ASSIGNEE to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and ASSIGNOR(S) hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to ASSIGNEE.

ASSIGNOR(S) agree that, when requested, they will, without charge to ASSIGNEE, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in ASSIGNEE, its successors, assigns and legal representatives or nominees.

ASSIGNOR(S) covenant with ASSIGNEE, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

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Hasson Manuad	DATE: November 7, 2011
HASSAN M.M. MOAWAD	
Dannaylyania	
STATE OF Pennsylvania)ss	
COUNTY OF Northampton	

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that HASSAN M.M. MOAWAD, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this	7th day of November , 2011.
	Dalo os
My commission expires:	
[Seal]	Notary Public Signature
Augus† 15, 2015	Margaret E. Metz
10gust 15, 2015	Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Margaret E. Metz, Notary Public
City of Bethlehem, Northampton County
My Commission Expires Aug. 15, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

HIMANSHU JAIN D	ATE: (1/15//)	
STATE OF) ss COUNTY OF)		
The undersigned Notary Public in and for the certify that HIMANSHU JAIN, whose name is appeared before me this day in person and ack delivered the instrument as his free and voluntary therein set forth.	subscribed to the foregoi mowledged that he signe	ng instrument, ed, sealed and
Given under my hand and notarial seal this	day of	, 2011.
My commission expires: [Seal]	Notary Public Signature	е
	Printed Name of Notary	Public -

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