PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2570939

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ					
N			lame	Execution Date		
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY 09/23/2004						
RECEIVING PARTY DA	ATA					
Name:	Virginia Tech Intellectual Properties, Inc.					
Street Address:	2200 Kraft Drive, Suite 1050					
City:	Blacksburg					
State/Country:	VIRGINIA					
Postal Code:	stal Code: 24060					
PROPERTY NUMBERS Total: 1						
Property Type		Number				
Application Number: 14023		031				
CORRESPONDENCE DATA Fax Number: (540)951-5292 Phone: (540) 951-9374						
Fax Number: (540)951-5292						
Phone: (540) 951-9374						
Email: vtippatents@vtip.org Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: VIRGINIA TECH INTELLECTUAL PROPERTIES VIRGINIA TECH INTELLECTUAL PROPERTIES						
Correspondent Name: VIRGINIA TECH INTELLECTUAL PROPERTIES						
Address Line 1: 2200 KRAFT DRIVE SUITE 1050						
Address Line 4: BLACKSBURG, VIRGINIA 24060						
ATTORNEY DOCKET NUMBER:		02.112_2 DIV				
NAME OF SUBMITTER:		MARK S. COBURN				
Signature:		/Mark S. Coburn/				
Date:			10/09/2013			

Docket No.: 01 J0348AA

ASSIGNMENT

WHEREAS, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNOR), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at Blacksburg, Virginia, is the owner of the entire right, title and interest in and to application for United States Letters Patent, filed on 06/09/2004 and accorded serial number 10/863,805, in the names of Gary Pickrell, Daniel Kominsky, Roger Stolen, Jeong Kim, Anbo Wang, and Ahmad Safaai-Jazi, for HOLEY OPTICAL FIBER WITH RANDOM PATTERN OF HOLES AND METHOD FOR MAKING SAME and of the invention therein described; and

WHEREAS, Virginia Tech Intellectual Properties, Inc. (hereinafter referred to as ASSIGNEE), a non-stock corporation organized under the laws of the Commonwealth of Virginia and having a principal place of business at 1872 Pratt Drive, Blacksburg, Virginia 24060, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Docket No.: 01_J0415AA Page 2

IN WITNESS WHEREOF, ASSIGNOR has caused the hand of its proper office to be subscribed hereto this $\frac{23}{2}$ day of $\frac{\sqrt{2}}{2}$, 2004.

Witnessed by:

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Herry Chenault

James H

Executive Vice President and Chief Operating Officer

RECORDED: 10/09/2013