Docket No.: 01640397AA 07-13-2004 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 Tab settings → → 102789878 To the Director of the United States Patent and Trademain Onice borganic amounted original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Garth L. Wilkes, Seungman Sohn, Bahman Tamami Name: Virginia Polytechnic Inst. & State University Internal Address: Additional names(s) of conveying party(ies) ☐ Yes ☒ No 3. Nature of conveyance: Assignment Merger Street Address: ☐ Security Agreement ☐ Change of Name City: Blacksburg State: Va ZIP: 24060 □ Other Execution Date: 6/7/04;6/03/04;5/24/04 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 10/780,909 filed on February 19, 2004 Additional numbers attached? ☐ Yes ⊠ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Mary E. Goulet 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Whitham, Curtis & Christofferson, PC Enclosed - Any excess or insufficiency should be credited or debited to deposit account Customer number: 30743 Authorized to be charged to deposit account 8. Deposit account number: 용 Street Address: 11491 Sunset Hills Road, Suite 340 8 City: Reston State: VA ZIP: 20190 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE

Name of Person Signing Signature

Total number of pages including cover sheet, attachments, and document:

9. Statement and signature.

of the original document.

Mary E. Goulet Reg No. 35,884

To the best of my knowledge and belief, the foregoing information is true and correct and any attacked copy is a true copy

REEL: 015548 FRAME: 0170

July 7, 2004

Date

ASSIGNMENT OF INVENTION

WHEREAS, WE, Garth L. Wilkes, Seungman Sohn and Bahman Tamami, have invented certain new and useful improvements in NONISOCYANATE POLYURETHANE MATERIALS, AND THEIR PREPARATION FROM EPOXIDIZED SOYBEAN OILS AND RELATED EPOXIDIZED VEGETABLE OILS, INCORPORATION OF CARBON DIOXIDE INTO SOYBEAN OIL, AND CARBONATION OF VEGETABLE OILS for which a patent application for United States Letters Patent was filed on February 19, 2004 and has been assigned U.S. Serial No: 10/780,909.

AND WHEREAS, Virginia Polytechnic Institute & State University, 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 hereinafter referred to as Assignee, is desirous of acquiring an interest in said invention and in any Letters Patent which may be granted therefor.

NOW THIS INDENTURE WITNESSETH, That for a valuable consideration, the receipt of which is hereby acknowledged, we hereby assign, sell and transfer unto the said assignee, the entire right, title and interest in and to inventions disclosed in said application and in and to any Letters Patent of the United States and in and to any Letters Patent or Inventor's Certificates of any and all foreign countries which may be granted therfor, and in and to any and all priority and/or Convention rights or benefits accruing or to accrue to us with respect to the filing or securing of patents in the United States and/or securing of patents or inventor's certificates in any and all countries foreign thereto.

AND WE hereby grant to assignee the right to apply in its own name for patents or inventor's certificates corresponding to the above invention in countries foreign to the United States.

AND WE hereby further agree to sign and properly execute such necessary and lawful papers for application for foreign patents and inventor's certificates for filing applications for United States, foreign patents and inventor's certificates for subdivisions of any applications for patent or inventor's certificate and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention and to perform such further acts as may be required to carry out the intent of this agreement as the assignee thereof shall hereafter require and prepare at assignee's expense.

PATENT REEL: 015548 FRAME: 0171

WITNESSETH, my hand and seal this, 2004.	day of
Garth L. Wilkes	
Sunty our fahr (06/03/04)	
geungman Sohn	

Bahman Tamami

PATENT REEL: 015548 FRAME: 0172 FROM ; SHIRAZ UNIVERSITY 05/21/2004 FRI 16:37 FAX

Bahman Tamami

RECORDED: 07/07/2004

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WITNESSETH, my hand	and seal 2004,	tnis	_ day o;
Garth L. Wilkes			
Seungman Sohn			

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