Form PTO 1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) 05-05-2000



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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of F 10134	ed original documents or copy thereof.	
Name of conveying party(ies):	Name and address of receiving party(ies):	
Hosadurga K. SHOBHA and James E. McGRATH	Name: VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	
	Internal Address:	
Additional name(s) of conveying party(ies) attached?		
3. Nature of conveyance: [x] Assignment [] Merge APR 2 4 2000	Street Address:	
[] Security Agreement [] Change of Name	City: Blacksburg State: VA Zip: 24060	
Execution Dates: January 14, 2000 and March 1, 2000	Additional name(s) & address(es) attached? [] Yes [X] No	
Application number(s) or patent number(s): If this document is being filed together with a new application.	n, the execution date of the application is:_	
A. Patent Application No.(s)	B. Patent No.(s)	
09/439,825		
Additional numbers attac	ched? [] Yes [X] No	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: 1	
Name: Darby & Darby P.C.		
Internal Address:	7. Total fee (37 CFR 3.41):\$40.00	
	[X] Enclosed	
	[] Authorized to be charged to deposit account	
Street Address: 805 Third Avenue, 27th Floor	8. Deposit account number:	
City: New York State: New York Zip: 10022-7513	04-0100 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT LISE	THIS SPACE	
04/27/2000 MSHIFERA 00000022 09439823	. 1110 51 1.02	
03 FC:581 (40.00 GP)		
 Statement and signature. To the best of my knowledge and belief, the foregoing infortrue copy of the original document. 	mation is true and correct and any attached copy is a	
Jay P. Lessler Name of Person Signing Signature	Date	

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

ASSIGNMENT

WHEREAS, We, Hosadurga K. Shobha, a citizen of India, residing at Blacksburg, Virginia 24061, and James E. McGrath, a citizen of the U.S., residing at Blacksburg, Virginia 24061, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

HIGH REFRACTIVE INDEX THERMOPLASTIC POLYPHOSPHONATES

for which they have on November 12, 1999 executed an application for Letters Patent of the United States; and

WHEREAS, Virginia Polytechnic Institute and State University, a U.S. corporation (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

PATENT REEL: 010752 FRAME: 0913

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this day of Much, 2000.			
-		Hosadurga K. Shobha	
	Michael		
STATE OF) // M garaa		
COUNTY OF) Mont gomery		
BE IT REMEMBERED, That on this day of Much, 2000, before me, a Notary Public, personally appeared Hosadusa Shebha, who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.			
hiy@cs:#ikeli	RExpires Discomber 34, 2003	Detra S. Fuca Notary Public	S
STATE OF		James E. McGRATH	(L.S.)
COLINTY OF) Virginia)ss.) Montgomery		
BE IT REMEMBERED, That on this day of Mach, 2000, before me, a Notary Public, personally appeared work who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.			
. My Commissio	n Expires December 31, 2003	Notary Public	

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RECORDED: 04/24/2000

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PATENT REEL: 010752 FRAME: 0914