U.S. DEPARTMENT OF COMMERCE 06-14-2006 FORM PTO-1595 (Modified) (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 Tab settings → → To the Honorable Commissioner of Paterns and 103257101. attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Thomas J. Pinnavaia, Joel I. Dulebohn, and Emily McKimmy Name: Board of Trustees of Michigan State University 6.12.06 Internal Address: ☐ Yes ☒ No Additional names(s) of conveying party(ies) Nature of conveyance: Street Address: 238 Administration Building Merger Assignment Change of Name ☐ Security Agreement City: East Lansing State: MI Other Execution Date: Pinnavaia/Dulebohn5/25/06 McKimmy6/2/06 Additional name(s) & address(es) attached? 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: B. Patent No.(s) A. Patent Application No.(s) 11/440,474 ☐ Yes ⊠ No Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Ian C. McLeod 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: McLEOD & MOYNE, P.C. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: Street Address: 2190 Commons Parkway 13-0610 (Attach duplicate copy of this page if paying by sesit account) State: MI ZIP: 48864 City: Okemos DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached capy is a true copy of the original document. Ian C. McLeod Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document: Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT REEL: 017986 FRAME: 0585

Docket No.: MSU 4.1-767

ASSIGNMENT

WHEREAS, we, THOMAS J. PINNAVAIA, JOEL I. DULEBOHN and EMILY J. McKIMMY, residing at 5901 Sleepy Hollow, East Lansing, Michigan 48823; 3510 W. Saginaw, Lansing, Michigan 48917; and 40 Woodmont Drive, Trenton, New Jersey 08648, respectively have invented certain new and useful improvements in METHOD FOR THE REMOVAL OF ARSENIC IONS FROM WATER for which an application for United States Letters Patent was filed on 5/25/06 and assigned Serial No. 11/440,474; and

WHEREAS, Board of Trustees, a constitutional Corporation of MICHIGAN STATE UNIVERSITY, (hereinafter referred to as Assignee) of East Lansing, State of Michigan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, we the said THOMAS J. PINNAVAIA, JOEL I. DULEBOHN and EMILY J. McKIMMY, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

PATENT REEL: 017986 FRAME: 0586 We hereby authorize and request the Patent and Trademark Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Assignee as the Assignee of our entire right, title and interest in and to the same for the sole use and behoof of the said Assignee, its successors and assigns.

FURTHER, we agree that we will communicate to said Assignee or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all substitution, renewal divisional, continuation, reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this $25^{\frac{1}{12}}$ day of $\frac{\text{May}}{\text{Signed in the Presence of:}}$, 2006.

Jun Le

Thomas J Pinnavaia

STATE OF MICHIGAN :

ss.

COUNTY OF INGHAM

on this 25th day of May, 2006, personally appeared before me the above named Thomas J. Pinnavaia to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed in and for the purposes set forth in said instrument.

SEAL

Imme R. Jaylor

My Commission Expires:

Notary Public, Ingham County, MI
My Commission Expires Oct. 27, 2008

PATENT REEL: 017986 FRAME: 0587

	IN TESTIMONY WHEREOF, I have hereunto set my
hand this	25 day of may, 2006.
Signed in	the Presence of:
	Joel I. Dulebohn
STATE OF N	
COUNTY OF	
Dulebohn t described and acknow	On this 25th day of May, 2006, appeared before me the above named Joel I. to me known and known to me to be the person in and who executed the foregoing instrument aledged the same to be his free act and deed in the purposes set forth in said instrument.
SEAL	Same L. Jaylor
	My Commission Expires: Notary Public AMMIL. TAYLOR Notary Public, Ingham County, MI My Commission Expires Oct. 27, 2008
	IN TESTIMONY WHEREOF, I have hereunto set my
nand this	, day of, 2006.
Signed in	the Presence of:
AT VI ALL II.	Emily J. McKimmy
STATE OF N	IEW JERSEY : ss. :
McKimmy to described and acknow	On this day of Jule, 2006, appeared before me the above named Emily J. o me known and known to me to be the person in and who executed the foregoing instrument aledged the same to be her free act and deed in the purposes set forth in said instrument.
SEAL	Thomas - Baulale
	Notary Public
	My Commission Expires: THOMAS C. BOUTSIKARIS Notary Public - New Jersey Monmouth County
	My Commission Expires March 14, 2008

PATENT REEL: 017986 FRAME: 0588

RECORDED: 06/12/2006