Form	PTO	)-1595	(Rev.	03-09	<del>)</del> )	
OMB	No.	0651-0	0027	(exp.	03/31/2	(9009

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

	ORM COVER SHEET  ARL 04-48						
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.							
1. Name of conveying party(ies) Joshua A. Orlicki Robert E. Jensen Matthew S. Bratcher Steven H. McKnight	Name and address of receiving party(ies)     Name:The United States of America as represented by the     Internal Address:Secretary of the Army						
Additional name(s) of conveying party(ies) attached? Yes No.  3. Nature of conveyance/Execution Date(s):  Execution Date(s) 5/05/2009							
Assignment Merger  Security Agreement Change of Name  Joint Research Agreement	City: Washington State: DC						
Government Interest Assignment Executive Order 9424, Confirmatory License Other	Country: USA Zip: 20310  Additional name(s) & address(es) attached? Yes X No						
4. Application or patent number(s): This  A. Patent Application No.(s)  11/267,262	document is being filed together with a new application.  B. Patent No.(s)						
Additional numbers attached? Yes No  5. Name and address to whom correspondence 6. Total number of applications and patents							
concerning document should be mailed:	involved:_1						
Name: U.S. Army Research Laboratory	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00						
Internal Address: Attn: AMSRD-ARL-O-CC-IP/Guy M. Miller  Street Address: 2800 Powder Mill Road	<ul> <li>Authorized to be charged to deposit account</li> <li>Enclosed</li> <li>None required (government interest not affecting title)</li> </ul>						
Cíty: Adelphi	8. Payment Information						
State: Maryland Zip: 20783							
Phone Number: 301-394-3791							
Fax Number: 301-394-3972	Deposit Account Number 19-2201						
Email Address: quy.m.miller@arl.army.mil	Authorized User Name Guy M. Miller						
9. Signature: Jugh hile Signature	5-24-09 Date						
Guy M. Miller, Reg. No. 32,333 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:						

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT REEL: 022745 FRAME: 0528

ARL 04-48

## ASSIGNMENT AND AGREEMENT

Title of Invention: Interface-Directed Branched Polymer Transports and Methods for Producing Same Inventor(s): Joshua A. Orlicki, Robert E. Jensen, Mathew S. Bratcher, and Steven H. McKnight Date Declaration Executed: ///7/05; 7/11/05; 11/14/05 \*Filing Date: November 7, 2005 \*Application Serial No.: 11/267,262 (\*Data not known at execution may be added later for better identification.) I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby: 1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent. 2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government. 3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon. Signature of 1<sup>st</sup> Inventor: (Middle Initial) First name) Duty Address: Aberdeen Proving Ground, Harford Maryland (State) (Locality) (County) Date: O5 May 2009. Typed name of Inventor: Joshua A. Orlicki \*\*\*(notarizing preferred)\*\*\*\*\*\* State of: \_) [place where acknowledgement is taken] County of: #arf On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

My Commission expires on 59300

office of chief counsel

$O_{1}$ $I$	P	ARL 04-48
Signature of 2 <sup>nd</sup> Inventor:	_ کے	Joseph
(First name)	(Middle Initial)	(Last Name)
Duty Address: Aberdeen Proving Ground, (Locality)	Harford (County)	Maryland (State)
Date: 5/5/2009	yped name of Inventor: Robert	E. Jensen
	notarizing preferred)*******	*
State of:	place where acknowledgement i	is taken]
On the above date known to me to be the indivi- appeared before me and acknowledged to me the hereunto set my hand and official seal.		
	Sheila m.	BOND
	(Printed or typewritten na	ame of notary public)
	Signature of notary publ	
(SEAL)	My Commission expires	
Signature of 3 <sup>rd</sup> Inventor: (First name)	(Middle Initial)	(Last Name)
Duty Address: Aberdeen Proving Ground, (Locality)	Harford (County)	Maryland (State)
Date: 5/5/2001 . T	yped name of Inventor: Matthe	w S. Bratcher
******	notarizing preferred)******	<b>k</b>
State of: <u>Maryland</u> ) SS. County of:) [	olace where acknowledgement i.	s taken]
On the above date known to me to be the individe appeared before me and acknowledged to me the hereunto set my hand and official seal.		
and the second s	Sheik M. (Printed or typewritten na	me of notary public)
Zuerny	Sheilam B	ord
O MERAL)	(Signature of notary publi	
OBJECT OF	My Commission expires of	on 5/9/2010

		ARL 04-48
Signature of 4 <sup>th</sup> Inventor: (First name)	(Middly Initial)	(Last Name)
Duty Address: Aberdeen Proving Ground, (Locality)	Harford (County)	Maryland (State)
Date: <u>\$/\$/2009</u> . Ty	ped name of Inventor: Steven	H. McKnight
State of: Maryland SS.  County of: [pl  On the above date known to me to be the individual appeared before me and acknowledged to me that hereunto set my hand and official seal.	al described in and who execu	s taken]  Ited the foregoing instrument duly
(SEAL)	(Printed or typewritten na Shallam (Signature of notary publi	me of notary public)