	10-18-2007	United States Patent and Trademark C		
		<b>ा</b>		
To the Director of the U.S. Patent at	103454256	Jocuments or the new address(es) below.		
1. Name of conveying party(ies)	2. Name and	address of receiving party(ies)		
Battenfeld Gloucester Engineering Co., Inc.	Name: Battenfe	ld Gloucester LLC		
	Internal Addre	ess:		
Additional name(s) of conveying party(ies) attac	ched? ☐ Yes ✓ No			
3. Nature of conveyance/Execution	Date(s): Street Addres	Street Address: 11 Dory Road		
Execution Date(s) October 3, 2007				
	erger	_		
	nange of Name City: Glouceste			
Joint Research Agreement	State: Massach	usetts		
Government Interest Assignment	Country: USA	Zip:01930		
Executive Order 9424, Confirmato Other	ory License			
4. Application or patent number(s):		e(s) & address(es) attached?		
A	5,667,468; 6,619,			
5. Name and address to whom corrections on the concerning document should be made and the concerning document should be made as the concerning document should be as the concerning documen	espondence & Total numb			
<u> </u>		er of applications and patents		
Name:D.J. Shade	involved: 10			
_	involved: 10 7. Total fee (3	7 CFR 1.21(h) & 3.41) \$ 400.00 d to be charged by credit card		
Name:D.J. Shade	involved: 10  7. Total fee (3  Authorize	7 CFR 1.21(h) & 3.41) \$ 400.00 d to be charged by credit card		
Name: D.J. Shade Internal Address: c/o Battenfeld Gloucester LLC	involved: 10  7. Total fee (3  Authorize	7 CFR 1.21(h) & 3.41) \$ 400.00 d to be charged by credit card		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Enclosed	7 CFR 1.21(h) & 3.41) \$\frac{400.00}{400.00}  d to be charged by credit card  d to be charged to deposit account  uired (government interest not affecting to		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Finclosed  None required  8. Payment In	7 CFR 1.21(h) & 3.41) \$ 400.00  d to be charged by credit card d to be charged to deposit account uired (government interest not affecting to		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  ✓ Enclosed  None require a. Credit Care	7 CFR 1.21(h) & 3.41) \$\frac{400.00}{400.00}  d to be charged by credit card d to be charged to deposit account uired (government interest not affecting ti		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Enclosed  None required  8. Payment In a. Credit Care	7 CFR 1.21(h) & 3.41) \$ 400.00  d to be charged by credit card d to be charged to deposit account  uired (government interest not affecting to  nformation  ard Last 4 Numbers		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Enclosed  None required  8. Payment lift a. Credit Cate  b. Deposit	7 CFR 1.21(h) & 3.41) \$ 400.00  d to be charged by credit card d to be charged to deposit account  uired (government interest not affecting to  nformation  ard Last 4 Numbers Expiration Date		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Enclosed  None required  8. Payment lift a. Credit Cate  b. Deposit	7 CFR 1.21(h) & 3.41) \$ 400.00  d to be charged by credit card d to be charged to deposit account  uired (government interest not affecting to  nformation  ard Last 4 Numbers  Expiration Date		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Finclosed  None required  8. Payment In a. Credit Can  b. Deposit Authorize  Authorize	7 CFR 1.21(h) & 3.41) \$ 400.00  d to be charged by credit card d to be charged to deposit account  uired (government interest not affecting to  nformation  ard Last 4 Numbers Expiration Date		
Name: D.J. Shade  Internal Address:	involved: 10  7. Total fee (3  Authorize  Authorize  Enclosed  None require  8. Payment In  a. Credit Can  b. Deposit  Authorize	7 CFR 1.21(h) & 3.41) \$ 400.00  d to be charged by credit card d to be charged to deposit account  uired (government interest not affecting to  nformation  ard Last 4 Numbers Expiration Date  Account Number ed User Name		

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 ASSIGNMENT

WHEREAS, Battenfeld Gloucester Engineering Co., Inc., a corporation organized under and pursuant to the laws of Delaware having its principal place of business at Blackburn Industrial Park Gloucester, Massachusetts 01931-0900 USA (hereinafter referred to as Assignor), is the sole and exclusive owner, by assignment, of the Patents and Patent Applications listed in Schedule A; and

WHEREAS, Battenfeld Gloucester LLC., a limited liability company organized under and pursuant to the laws of Delaware having its principal place of business at Blackburn Industrial Park, Gloucester, MA 01931-0900 USA (hereinafter referred to as Assignee), is desirous of acquiring the right, title and interest in, to and under said Patents and Patent Applications and the inventions covered thereby;

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said Assignee, the entire right, title and interest for the United States of America and all other countries in and to said patents and patent applications for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefore in the United States of America and all other countries on the attached list of Schedule A, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on Schedule A to said assignee herein, as assignee of the entire interest therein, and the undersigned for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to said assignee or his assigns, to communicate to said

1

PATENT REEL: 019984 FRAME: 0807 assignee or his representatives all facts known to the undersigned respecting said inventions listed on *Schedule A* whenever requested, to testify in any interferences or other legal proceedings in which said application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said inventions listed on *Schedule A* in the United States of America and all other countries, the expenses incident to said application listed on *Schedule A* to be borne and paid by said assignee.

## SCHEDULE A

Patent or Applicatio n Number	Filing Date (DD/MM/YYYY)	Inventor	Title	Country or Examining Authority
4,750,874 (Expired)	09/01/1987	Keim, Karl H.	Air cooling Ring for Plastic Film	USA
5,205,899	04/06/1992	Woodman, Jr.; Daniel W.	Thermal Expansion Compensated Hot Knife	USA
5,288,219	25/03/1991	Smith, David J.	USA	
5,542,802	20/10/1994	Woodman, Jr.; Daniel W.; St. Hilaire, Vance; and Silva, Guilherme A.	Wicket Stacking Guide	USA
5,618,147	10/11/1994	Bandure, Vitaly; and Woodman, Jr.; Daniel W.	Wicket Wire Holder	USA
5,638,268	28/11/1994	Souza, David P.	Method for Initializing the Position of a Linear Drive System	USA
5,667,468	10/11/1994	Bandure, Vitaly	Screw Adjustable Wicket Pins	USA
6,619,941	28/04/2000	Smith, David J.; and Warnock, Jr.; Kenneth D.	Cast Film Cooling Device	USA

PCT/US200 4/019187	16/06/2004	Smith, David J.; and Andrews, Michael C.	Process for Reducing Surface Aberrations	PCT
10/869,827	16/06/2004	Smith, David J.; and Andrews, Michael C.	Process for Reducing Surface Aberrations	USA

Date: 19/3	12007			Ju	ffing of	1
			Bat Inc		Glouceste	r Engineering Co.,
United States of A	merica		)	•		
Commonwealth	Pennsylva	ania	)			
County of	Allegheny		)			
On this 3RD	day of	October		,	2007	, before me
personally	appeared Je	ffrey Osbo	rne	$$ , to $\bar{m}$	e known to	be the individual
described in and v	ho executed the	ne foregoir	ng instr	ument,	and acknow	wledged execution
of the same.			, <b>6</b> 5			
			,	2		
				al C	L Sun	derland
			No <sup>.</sup>	tary Pul	blic	

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Gail A. Sunderland, Notary Public City Of Pittsburgh, Allegheny County My Commission Expires June 25, 2009

Member, Pennsylvania Association of Notaries

**RECORDED: 10/17/2007**