

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4573566

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEXANDER GURARY	03/27/2002
SCOTT ELMAN	03/27/2002
KENG MOY	03/27/2002
VADIM BOGUSLAVSKIY	03/27/2002
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMCORE CORPORATION
<b>Street Address:</b>	145 BELMONT DRIVE
<b>City:</b>	SOMERSET
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08873-1214
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7276124
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-7866
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(908) 518-6450
<b>Email:</b>	assignment@lernerdavid.com
<b>Correspondent Name:</b>	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	VEECO 3.0-069 DIV
<b>NAME OF SUBMITTER:</b>	MELINDA C. CORMIER
<b>SIGNATURE:</b>	/Melinda C. Cormier/
<b>DATE SIGNED:</b>	08/30/2017
<b>Total Attachments: 4</b>	
source=Assignment - 3#page1.tif	
source=Assignment - 3#page2.tif	
source=Assignment - 3#page3.tif	



**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

EMCORE 3.0-069

Whereas, I, Alexander Gurary of  
1068 Tullo Farm Road; Bridgewater, New Jersey 08807

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
REACTOR HAVING A MOVABLE SHUTTER

☒ for which an application for a United States Letters Patent was filed on January 16, 2002

Application Number 10/046,426

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,  
 and

Whereas, Emcore Corporation  
 a corporation of \_\_\_\_\_ herein referred to as "assignee" whose mailing address is

145 Belmont Drive; Somerset, New Jersey 08873

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/296,598, filed June 7, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/296,598 pursuant to any law or treaty in the countries of the world.

3/27/02  
 (Date)

Alex Gurary  
 (Signature)

State of New Jersey ) SS:  
 County of Somerset )

On this 27 day of March, 2002 before me personally came the above-named Alexander Gurary, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Felecia Patrice Beachum  
 (Notary Public)

**FELECIA PATRICE BEACHUM**  
 NOTARY PUBLIC OF NEW JERSEY

My Commission Exp. Aug. 10, 2005

☒ \*Total of 4 forms are submitted.

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

**EMCORE 3.0-069**Whereas, I, Scott Elman of20 Leeds Lane; Monroe Township, New Jersey 08831

hereafter referred to as assignor, have with others invented certain new and useful improvements in

REACTOR HAVING A MOVABLE SHUTTER☒ for which an application for a United States Letters Patent was filed on January 16, 2002Application Number 10/046,426☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_, andWhereas, Emcore Corporation

a corporation of \_\_\_\_\_ herein referred to as "assignee" whose mailing address is

145 Belmont Drive; Somerset, New Jersey 08873

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/296,598, filed June 7, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/296,598 pursuant to any law or treaty in the countries of the world.

3/27/02

(Date)

Scott Elman

(Signature)

State of New Jersey ) SS:County of Somerset )

On this 27 day of March, 2002 before me personally came the above-named Scott Elman, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Felecia Patrice Beachum

(Notary Public)

**FELECIA PATRICE BEACHUM**

NOTARY PUBLIC OF NEW JERSEY

My Commission Exp. Aug. 10, 2005

☒ \*Total of 4 forms are submitted.

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

EMCORE 3.0-069

Whereas, I, Keng Moy of24 Cedar Creek Drive; Basking Ridge, New Jersey 07920

hereafter referred to as assignor, have with others invented certain new and useful improvements in

REACTOR HAVING A MOVABLE SHUTTER☒ for which an application for a United States Letters Patent was filed on January 16, 2002Application Number 10/046,426☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_, andWhereas, Emcore Corporation

a corporation of \_\_\_\_\_ herein referred to as "assignee" whose mailing address is

145 Belmont Drive; Somerset, New Jersey 08873

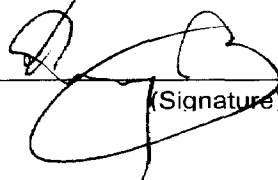
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/296,598, filed June 7, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/296,598 pursuant to any law or treaty in the countries of the world.

3/27/02

(Date)



(Signature)

State of New Jersey ) SS:  
County of Somerset )

On this 27 day of March, 2002 before me personally came the above-named Keng Moy, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Felecia Patrice Beachum  
(Notary Public)

**FELECIA PATRICE BEACHUM**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Exp. Aug. 10, 2005

☒ \*Total of 4 forms are submitted.

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

EMCORE 3.0-069

Whereas, I, Vadim Boguslavskiy of  
26 Rider Terrace; Princeton, New Jersey 08540

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
REACTOR HAVING A MOVABLE SHUTTER

☒ for which an application for a United States Letters Patent was filed on January 16, 2002  
 Application Number 10/046,426

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,  
 and

Whereas, Emcore Corporation  
 a corporation of \_\_\_\_\_ herein referred to as "assignee" whose mailing address is  
145 Belmont Drive; Somerset, New Jersey 08873  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/296,598, filed June 7, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/296,598 pursuant to any law or treaty in the countries of the world.

3/27/02  
 (Date)

V. Boguslavskiy  
 (Signature)

State of New Jersey ) SS:  
 County of Somerset )

On this 27 day of March, 2002 before me personally came the above-named Vadim Boguslavskiy, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Felecia Patrice Beachum  
 (Notary Public)

**FELECIA PATRICE BEACHUM**  
 NOTARY PUBLIC OF NEW JERSEY

My Commission Exp. Aug. 10, 2005

☒ \*Total of 4 forms are submitted.