Form PTO-1595 (Rev. 03-11) DMB No. 0651-0027 (axp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FOR PATENTS	
To the Director of the U.S. Patent and Trademark Office: Please	
Name of conveying party(les): Vertice Requeley (N6/04/2012), Jophus	2. Name and address of receiving party(les)
Vadim Boguslavskiy (06/04/2012), Joshua Mangum (06/18/2012), Matthew King	Name: Veeco Instruments Inc.
(06/06/2012), Earl Marcelo (06/04/2012),	Internal Address:
Additional name(s) of conveying party(lea) attached? X Yes No	Street Address:
3. Nature of conveyance/Execution Date(s):	
Execution Date(s): in parentheses after Inventor name	Terminal Drive
x Assignment Merger Change of Name	
Security Agreement Joint Research Agreement	City: Plainview
Government Interest Assignment	State: New York
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 11803
Other	Additional name(s) & address(es) Yes X No
	allached?
Additional numbers attached	Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Gregory M. Reilly LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: VEECO 3.0-123 B	
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account
	Enclosed
	None required (government Interest not affecting title)
City: Westfield	8. Payment Information
State: NJ Zip: 07090	
Phone Number: 908-654-5000	
Fax Number: 908-654-7866	Deposit Account Number 12-1095
Email Address: ataylor@ldlkm.com	Authorized User Name Gregory M. Reilly
9. Signature:	July 11, <u>2012</u>
Signature	Date
Gregory M. Reilly - 64,006 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:
a proper trade and a contraction of the size	

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)			
Additional Convey	ying Party(ies)/Exe	cution Date(s) (1. Continued):	
Eric A. Armour (05/18 Guray Tas (05/21/20		Surary (06/01/2012), William E. Quint	n (05/18/2012), and
Additional Assign	ees (2. Continued)	•	
Assignee Name:			
Internal Address:	PRODUCTION OF THE PRODUCTION O	······································	
Street Address:			
City:	State:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zlp:
Assignee Name:			y
Internal Address:		, , , , (• 1 • • • • • • • • • • • • • • • • •	
Street Address:			
City	Clate	Country:	71a.
City.	State,	Country.	
Additional Applications and/or Patents (4. Continued):			
Additional Patent Applicati 4A. Continued:	on Numbers	Additional Patent Numbers 4B, Continued:	
	Additional number	rs attached? Yes No	
2543500_1.DQC			

2

Docket No.: VEECO 3.0-123 B

	tormer PTO/SB/16 (8-00) Mod/fled LDLK&M
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-123 B
Whereas, I, Vadim Boguslavskiy	of
232 Mount Lucas Road; Princeton, New Jersey 08540	
hereafter referred to as assignor, have with others invented certain n	ew and useful improvements in
HEATED WAFER CARRIER PROFILING	
x for which an application for a United States Letters Pat	ent was filed on May 30, 2012
Application Number 13/483,491	
for which an application for a United States Letters Pater	nt was executed by me on
and	
Whereas, Veeco Instruments Inc. a corporation of Delaware herein referred to as "assignee" whose many	eilino addrese is
Terminal Drive; Plainview, New York 11803	
is desirous of acquiring the entire right, title and interest in the same;	.
· •	dollars (\$ 1.00), the receipt whereof
is acknowledged, and other good and valuable consideration. I at	assignor hereby sell, assign and set over to said
assignee my entire right, title and interest for the United States of Ar and the aforesaid utility patent application and all original, division	merica and all other countries in and to said invention
and the aforeseld utility patent application and all original, division release 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 paten	to for said invention claiming priority or benefit of the
aforesaid utility application pursuant to any law or treaty, and includ Commissioner of Patents and Trademarks is hereby authorized and	ling the right to claim such priority or benefit and the
or resulting therefrom to said assignee herein, as assignee of the er	rtire interest therein; and the undersigned for me and
my legal representatives, heirs and assigns do hereby agree and co	evenant without further remuneration, to execute and
deliver all original, divisional, continuation, relesue and other applica assignments thereof to said assignee or its assigne, to communic	ste to said assignee or its representatives all facts
known to the undersigned respecting said improvements, whenever	er requested, to testify in any interferences or other
legal proceedings in which any of said applications or patents may rightful oaths, and to do generally everything necessary to ald assig	become involved, to sign all lawful papers, make all
patent protection for eald improvements in all countries, the expensi	es incident to said applications to be borne and paid
by said assignee.	
I, as assignor, hereby easign to said assignee all of my right, title	and Interest in United States Provisional Application
No., 61/491,486, filed May 31, 2011, and in the invention disclosed t	hereto in all countries of the world including the right i
to claim priority or benefit of said Application No. 61/491,486 pursue	ant to any law or treaty in the countries of the world.
And I do hereby authorize my attorneys to Insert on this deed the fi	ling date and application number of said application
when known.	
6/4/2012	Bonellar Muy
(Date)	(Signature)
State of NauTury) SS:	, , ,
County of Somether)	\mathcal{L}
· · · · · · · · · · · · · · · · · · ·	
On this 11 day of 12 ne	me personally came the above-named Vadim
me that the same was executed by him/her of his/her own free with	One purposes transferrate force.
	Otary Public, State of New Jersey
(Notary Public)	My Commission Expires
x *Total of B forms are submitted.	Mount 10 101a
X Total of B forms are submitted.	

	former PTQ/5B/15 (8-00) Modified LDLK&M
- CALCALIANT OF LITTING ARRIVATION	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-123 B
Whereas, I, Joshua Mangum	of
6401 Oak Grove Court; Sarasota, Florida 34233	
hereafter referred to as assignor, have with others invented certain of	ew and useful improvements in
HEATED WAFER CARRIER PROFILING	
x for which an application for a United States Letters Pat	ent was filed on May 30, 2012
ADIANG ADI	
Application Number 13/483,491	
for which an application for a United States Letters Pate and	nt was executed by me on,
Whereas, Veeco instruments inc.	
a corporation of Delaware herein referred to as "assignee" whose m	alling address is
Terminal Drive; Plainview, New York 11803	
is desirous of acquiring the entire right, title and interest in the same;	
is acknowledged, and other good and valuable consideration, I as as my entire right, title and Interest for the United States of America a aforesald utility patent application and all original, divisional, of applications and patents applied for or granted therefor in the Uniterestion, including without limitation all applications and patents for utility application pursuant to any law or treaty, and including the right of Patents and Trademarks is hereby authorized and requested therefrom to said assignee herein, as assignee of the entire interepresentatives, heirs and assigns do hereby agree and covenant original, divisional, continuation, reissue and other applications for Lithereof to said assignee or its assigne, to communicate to said undersigned respecting said improvements, whenever requested, to which any of said applications or patents may become involved, to generally everything necessary to aid assignee, its successors, assimprovements in all countries, the expenses incident to said application, as assigner, hereby assign to said assignee all of my right, title a 61/491,486, filed May 31, 2011, and in the invention disclosed thereit priority or benefit of said Application No. 61/491,486 pursuant to any	and all other countries in and to said invention and the continuation, continuation-in-part, substitute or release ted States of America and all other countries, for said said invention claiming priority or benefit of the aforesaid at to claim such priority or benefit and the Commissioner to issue, all patents on said improvements or resulting test therein; and the undersigned for me and my legal without further remuneration, to execute and deliver all etters Patent on said improvements and all assignments assignee or its representatives all facts known to the testify in any interferences or other legal proceedings in sign all lawful papers, make all rightful oaths, and to do signs and nominees to obtain patent protection for said ions to be borne and paid by said assignee. Ind interest in United States Provisional Application No to in all countries of the world including the right to claim y law or treaty in the countries of the world.
And I do hereby authorize my attorneys to insert on this deed the fills known.	ng date and application number of said application when
6/18/12	(Signature)
County of Manater)	
On this 18th day of June , 2012 before me to me personally known as the individual who executed the foregoi was executed by him/her of his/her own free will for the purposes the auct kumb (Notary Public)	personally came the above-named <u>Joshua Mangum,</u> ng instrument, who acknowledged to me that the same rein set forth.
x Total of 8 forms are submitted.	LD-530/
AMET RUSSO Septory Public - State of Ficelds My Content Expires Mar 12, 2016 Commission of FE 169791	

PATENT REEL: 028565 FRAME: 0339

	Ammer PTGr68/16 (5-00) ModRed LDLKAM		
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
ASSISTANCE OF CHELL AT LICATION	VEECO 3.0-123 B		
Whereas, I, Metthew King	of		
7 Century CL; Montville, New Jersey 07045			
hereafter referred to as essignor, have with others invented certain n	ew and useful improvements in		
HEATED WAFER CARRIER PROFILING	<u> </u>		
x for which an application for a United States Letters Pate	emt was filed on May 30, 2012		
Application Number 13/483,491			
for which an application for a United States Letters Pater	t was executed by me on		
and			
Managara Indonesia Ind			
whereas, Veeco instruments inc. a corporation of Delaware herein referred to as "assignee" whose many	alling address is		
Terminal Drive; Plainview, New York 11803			
is desirous of acquiring the entire right, title and interest in the same;			
Is acknowledged, and other good and valuable consideration, I a sestonee my entire right, title and interest for the United States of Al	merica and all other countries in and to said invention]		
and the aforesaid utility patent application and all original, division release applications and patents applied for or granted therefor in the said invention, including without fimitation all applications and patent aforesaid utility application pursuant to any law or treaty, and including commissioner of Patents and Trademarks is hereby authorized and	 United States of America and all other countries, for its for said invention claiming priority or benefit of the ling the right to claim such priority or benefit and the requested to lesue all patents on said improvements 		
or resulting therefrom to said easignes herain, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, helps and assigns do hereby agree and coverant without further remuneration, to execute and deliver all original, divisional, continuation, release and other applications for Letters Patient on eald 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 teatify 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 at of my right, title and interest in United States Provisional Application No 61/491,488, filed May 31, 2011, and in the Invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No61/491,488 pursuant to any law or treaty in the countries of the world.			
And I do hereby authorize my attorneys to insert on this deed the when known.	filing data and application number of said application		
6/6/12	Marche 15		
(Date)	(Signiture)		
State of <u>NEW YETSEY</u>) ss:			
County of BUTTINGTON)			
On this 6th day of 1070 2017 before 1	AMEE WANT came library pure and Matthew King.		
to the barkousity known as are individual-with executed are locked.			
was executed by him/her of his/her own fees will for the purposes	MY STREET, STOTE OF RESPONDING THE 14, 3042		
(Notary Public)			
x *Total of 8 forms are submitted.	LD-530/		
1	Mark Control		

	Former PTO/98/15 (9-00) Modified LDLK&M	
ACCIONISTENT OF LITH INV AND LOATION	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-123 B	
Whereas, i, Earl Marcelo	of	
547 Eleie Avenue; South Plainfield, New Jersey 07080		
hereafter referred to as assignor, have with others invented certain no	ow and useful Improvements in	
HEATED WAFER CARRIER PROFILING	·	
x for which an application for a United States Letters Pate	ant was filed on May 30, 2012	
Application Number 13/483,491		
for which an application for a United States Letters Pater and	nt was executed by me on,	
Whereas, Vesco Instruments Inc.		
a corporation of Delaware herein referred to as "assignee" whose ma	ulling address is	
Terminal Drive; Plainview, New York 11803		
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, continuation-in-part, substitute or releasue 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 covernant without further remuneration, to execute and deliver all original, divisional, continuation, reliseue 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 representativee 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 ald assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be bome and paid by said assignee. I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provi		
claim priority or benefit of said Application No. <u>_61/491,486</u> pursuant. And I do hereby authorize my attorneys to insert on this deed the fi		
State of County of On this 11 day of TUNE, To before me personally known as the individual who executed the foregoing was executed by him/her of his/her own free will for the purposes there (Notary Public)	Sarument, who abanessed to me that he same 外級的识别ublic. State of New Jersey My Commission Expires Morch 30, 2016	
x *Total of <u>0</u> forms are submitted.	LD-530/	

former PTC/SB/15 (8-00) Modffed LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	VEECO 3.0-123 B	
Whereas, I, Eric A. Armour	of	
14 Laning Avenue; Pennington, New Jersey 06534		
hereafter referred to as assignor, have with others invented certain n	ew and useful improvements in	
HEATED WAFER CARRIER PROFILING		
for which an application for a United States Letters Pate	ant was filed on	
Application Number		
x for which an application for a United States Letters Pater	nt was executed by me oneven date herewith,	
and		
Whereas, a corporation of Delaware herein referred to as "assignee" whose ma Terminal Drive; Plainview, New York 11803 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, continuation-in-part, substitute or reisaue 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 sesigns 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 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 petents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to all 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 61/491.486, filed May 31, 2011, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/491.486 pursuant to any law or treaty in the countries of the world.		
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.		
5/18/2012 (Date)	(Signature)	
State of <u>Null Jerry</u>) SS: County of <u>Sovered</u>)		
On this 18 day of May . Zo/L before me personally came the above-named Eric A.		
Armour, to me personally known as the individual who executed as reversely individual who executed		
that the same was executed by him/her of his/her own free will for the purposes the title purpose		
Motors Statis	My Commission Expires March 30, 2016	
(Notary Public)		
x "Total of 6 forms are submitted.	LD-530/	

PATENT

***	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-123 B	
Whereas, I, Alexander I. Gurary of		
1068 Tulio Farm Road; Bridgewater, New Jersey 08607		
hereafter referred to as assignor, have with others invented cert	ain new and useful improvements in	
HEATED WAFER CARRIER PROFILING		
x for which an application for a United States Letters	Patent was filed on May 30, 2012	
Application Number 13/483,491		
for which an application for a United States Letters and	Patent was executed by me on,	
Whereas, Veeco Instruments Inc. a corporation of Delaware herein referred to as "assignee" who Terminal Drive; Plainview, New York 11803		
is desirous of acquiring the entire right, title and interest in the s	arne;	
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, continuation-in-part, substitute or release 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 of the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assigns to 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 tastify 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 ald 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 61/491,486, filled May 31, 2011, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/491,488 pursuant to any law or treaty in the countries of the world.		
And I do hereby authorize my attorneys to insert on this deed when known.		
6/1/12	Hey audo Ceway	
State of Number) SS:		
County of Soneta)		
On this 1 day of Tune, Zol 2 before me personally came the above-named Alexander I.		
Gurary, to me personally known as the individual who execute	d the foregoing instrument, who acknowledged to me that	
the same was executed by him/her of his/her own free will for	e purposes therein set to the	
an Phon_	Notary Public, State of New Jersey	
(Noterv Public)	My Commission Expires Moreh 30, 2014	
x *Total of B forms are submitted.	530/	

	tormer PTO/98/15 (8-00) Modified LOLK&M	
	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-123 B	
Whereas, 1, William E. Quinn	of	
14 Militia Road; Whitehouse Station, New Jersey 08889		
hereafter referred to as assignor, have with others invented certain n	ou and usaful improvements in	
-	But OHO COOLO EMPLOYEDING III	
HEATED WAFER CARRIER PROFILING		
for which an application for a United States Letters Pate	ent was filed on	
Application Number		
x for which an application for a United States Letters Pater	at was a war fart by ma co	
and	THE CHARLES BY THE CO.	
Whereas, Veeco Instruments Inc.		
a corporation of <u>Delaware</u> herein referred to as "assignee" whose ma	illing address is	
Terminal Drive; Plainview, New York 11803		
is desirous of acquiring the entire right, title and interest in the same;		
NOW, THEREFORE, in consideration of the sum of one dollare (\$ 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, continuation-in-part, substitute or relatue 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 thereform to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, helics 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 mey become involved, to sign all lawful papers, make all rightful caths, 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 Provis		
(Date)	Illiam Equini (Signature)	
State of New Jenny) SS:		
On this day of Man 2012 before me to me personally known as the individual who executed the foregon was executed by him/her of his/her own free will for the purposes the (Notary Public)	g instrument was acknowledged to me that the same	
	LD-630/	
x *Total of 8 forms are submitted.	LL/ CAJU	

Whereas, I. Gursy Tas Of Tenshaw Drive; Flanders, New Jersey 07838 hereafter referred to as assignor, here with others invented contain new and useful improvements in HEATED WAPER CARRIER PROFILING tor which an application for a United States Letters Patent was filed on Application Number X for which an application for a United States Letters Patent was filed on Application Number X for which an application for a United States Letters Patent was filed on Application Number X for which an application for a United States Letters Patent was filed on Application States X for which an application of a United States Letters Patent was filed on Application of Delawars herein referred to as assigner whose mailing address is Terminal Drive; Platrivew, New York, 11903 Is destined to application and interest for the order of the same; NOW, THEREFORE, in consideration of the sum of Order of America and all other countries in and to said Invention and the aforeased utility patent explication and all original or the sum of Order of America and all other countries in and to said Invention and the aforeased utility patent explication and all original or the United States of America and all other countries in and to refer to refeat the applications and patents explained from all applications and patents explained from all interest through, and promise spile of patents applications and patents explained from all original or in the United States of America and all other countries, for each invention, including without and the aforeased utility patent explications and patents explained from the patents and the commission of Patents and Terminal Patents in the America Interest to United States of America and all other countries, for each invention, including the right to call must be application of Patents and Terminal Patents and the Patents and Interest of Patents and Terminal Patents and Patents and Interest of Patents and Terminal Patents and Patents and Interest of Patents and Patents and America and Interest of	Whereas, I. Gursy Tas of T. all Crenshaw Drive. Flanders, New Jersey. 07836 hereafter referred to as assignor, have with others invented centain new and useful improvements in HEATED WAFER CARRIER PROFILING tor which an application for a United States Letters Patent was filed on Application Number of the which an application for a United States Letters Patent was filed on Application Number of the which an application for a United States Letters Patent was secured by me on an even date hereafth. Whereas, Vesco Instruments Inc. a corporation of Delawatts herein referred to as "assignee" whose mailing address is Terminal Drive; Plainview, New York 11803 Is destinous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of the same of the sacknewledged, 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 an advertice of the sacknewledged, and patents application and all original, divisional possible of consideration, including without limitation all application and patents and patents of the said invention, including without limitation all application teaty, and including the right to claim such priority or berefit and the Commitment of the sackness of the patents of the said invention claiming priority or berefit and the Commitment of the said selegine of the anterby agrice and coverant without further remuneration, to elevate and deliveration and applications and assignments the refer; and the undersigned for me and assignment has been adseigned to the area places of the entire interest therein; and the undersigned for me and assignment and applications are places applications or patents may become involved, to sign sile safety in any interferences or other lag as		former PTO/SB/15 (8-00) Modified LDLKAM	
Whereas, I, Guray Tas of Cremensus Driver, Flanders, New Jersey 07830 hereafter referred to se assignor, have with others invented certain new and useful improvements in HEATED WAFER CARRIER PROFILING for which an application for a United States Letters Patent was filed on Application Number Invented to the states of the s	Whereas, I. Guray Tass of of Correlayer Drive; Flanders, New Jersey, 07836 hereafter referred to as assignor, have with others invanied certain new and useful improvements in HEATED WAFER CARRIER PROFILING		Docket Number (Optional)	
**Receipt the control of the control	**Note 15. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-123 B	
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Whereas, Veeco Instruments Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is Terminal Drive; Plainview, New York 11802. 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 essignor hereby sell, assign each over to seld assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforeacid utility patent applications and all original, divisional, continuation, continuation-in-part, substitute or release applications and patents applied for or granted therefor in the United States of America and all original, divisional, continuation, continuation, continuation, including without limitation all applications and patents for said invention claiming priority or benefit of the aforeacid utility application pursuant to any law or treaty, and including the right to claim such force countries, for said invention of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefore to said assignee herein, as assignee of the entire interest; and the undersigned for me and my logal representatives, here and assignee and covernant without further remuneration, to execute and deliver all original, divisional, continuation, relessue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or the representative all fracts 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 see all interests and to do generally everything necessary to all assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incide	Whereas, a coporation of Delawarg herein referred to as "assignee" whose mailing address is Terminal Drive; Plainview, New York 11903 Is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of	Application Number		
a corporation of Delaware herein referred to as "assignee" whose mailing address is Terminal Drive; Plathrivew, New York 11803 I 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 seld assignee my entire right, title and interest for the United States of America and all other countries in and to said invention, including without limitation and to aforecased utility patent application and all original, divisional, continuation, continuation-in-part, substitute or release 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, including without limitation all applications and patents for said invention. Including without limitation all applications and patents for said invention including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue ellipatents on said improvements or resulting therefore for Patents and Trademarks is hereby authorized and requested to issue ellipatents on said improvements or resulting therefore in the continuation, reliesue and other applications for Latiers Patent on said improvements and all original, divisional, continuation, reliesue and other applications for Latiers Patent on said improvements and all original, divisional, continuation, reliesue and other applications for Latiers Patent on said improvements and all original, divisional, continuation, reliesue and other applications for Latiers Patent on said interest in the said assignee or its essigns, to communicate to said assignee or its representative all facts known to the undersigned respecting said applications or patents may become involved, to slan all lawful papers, m	a corporation of Delawate herein referred to as "assignee" whose mailing address is Terminal Drive; Plainview, New York, 1983 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 sail, 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 revention and the aforecast utility patient application and all original, divisional, continuation, continuation-in-part, substitute or retiseue applications and patents application and all original, divisional, continuation, continuation-in-part, substitute or retiseue applications and patents for said invention, including without limitation all applications and patents for said invention, including without limitation all applications and patents for said invention, including without limitation all applications and patents for said invention. Including the right to claim such priority or benefit of the storesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the commission of Patents and Tardemarks is hereby authorized and requested to issue all patention to each assigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration of said original, divisional, continuation, release and other applications for Letters Patent on said improvements and all assignments thereof to said assignee of the entire historic treaty and the undersigned for me and my 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 said fully pages. It is assigned to the said Application No. 61/491.498 pursuant to any law or treaty in the countries of the wor	1	Patent was executed by me oneven data herewith,	
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61/491.488, filed May 31. 2011, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/491.496 pursuant to any law or treaty in the countries of the world. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. 5/2//20/2	61/491.488, filed May 31. 2011, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/491.496 pursuant to any law or treaty in the countries of the world. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. 5/2//20/2 (Date) State of	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 easignor 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 aforeatid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or release 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 aforeatid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the aforeatid utility application pursuant 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 covernant without further remuneration, to execute and deliver all original, divisional, continuation, release 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 patents, 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.		
when known. State of (Signature) SS: (Signature)	when known. State of	81/491.488, filed May 31, 2011, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/491.486 pursuant to any law or treaty in the countries of the world.		
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(Notary Public) My Court of New Jersey	(Notary Public) My Co. State of New Jersey	executed by him/her of his/her own free will for the purposes to	est forth	
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x *Total of 8 forms are submitted. L Moten 30, 2016 UI-530/			March 30, 2016 L-530/	