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(les): Mikhail Belousov (01/13/2010), Bojan Mitrovic (02/19/2010), and Keng Moy (01/13/2010)  Additional name(of of conveying party(les) attached?	Form PTO-1595 (Rev. 03-11) OMB No. 0851-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
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(les):  Mikhail Belousov (01/13/2010), Bojan Mitrovic (02/19/2010), and Keng Moy (01/13/2010)  Additional name(s) of conveying party(les) attached?  Name: Veeco Instruments Inc.  Veeco Instruments Inc.  Internal Address:  Street Address:  Street Address:  Street Address:  Street Address:  Terminal Drive  Termi	RECORDATION FOR	
1. Name of conveying party(les):  Mikhail Belousov (01/13/2010), Bojan Mitrovic (02/19/2010), and Keng Moy (01/13/2010)  Additional name(a) of conveying party(les) sitsochad?   Yes   X No    3. Nature of conveyance/Execution Date(s):  Execution Date(s): In pereritheese after inventor name   Security Agreement   Joint Research Agreement   Government Interest Assignment   State:   New York    Government Interest Assignment   State:   New York    Government Interest Assignment   State:   New York    Country: United States of America   Zip: 11803    Additional name(s): & address(es)   Yes   X No    13/608,130   X This document is being filed together with a new application.  B. Patent Application No.(s)   B. Patent No.(s)    13/608,130   Additional numbers attached?   Yes   X No    15. Name and address to whom correspondence concerning document should be malfed:   Name:   Marcus J. Millet    LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP    Internal Address: Atty. Dkt.:   X Authorized to be charged to deposit account    Enclosed   None required (government interest not affecting title)    City:   Westfield    State:   NJ   Zip:   07090    Phone Number:   908-654-5000    Phone Number:   908-654-7866    Email Address:   ataylor@Idikm.com    Marcus J. Millet - 28,241   Total number of pages including cover   44    September 14, 2012    September	PATENTS	
Mikhail Belousov (01/13/2010), Bojan Mitrovic (02/19/2010), and Keng Moy (01/13/2010)    Mare:   Veeco Instruments inc.	To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
County	Name of conveying party(les):	2. Name and address of receiving party(les)
Internal Address:   Street Address:   New York   State:   New York   State:   New York   State:   New York   State:   New York   Additional name(s) & address(es)   Yee		Name: Veeco Instruments Inc.
Additional name(s) of conveying penylical attached? Yes X No  3. Nature of conveyance/Execution Date(s):  Execution Date(s): In parentheses after inventor name  X Assignment	(02/19/2010), and Keng Moy (01/13/2010)	
Execution Date(s): In parentheses effer inventor name    X Assignment	Additional name(s) of conveying party(les) attached? Yes X No	
Assignment   Merger   Change of Name   Security Agreement   Joint Research Agreement   State:   New York	3. Nature of conveyance/Execution Date(s):	1
X Assignment	Execution Date(s): In parentheses after inventor name	Terminal Drive
Security Agreement Joint Research Agreement Government Interest Assignment State: New York  Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) Yes X No attached?  4. Application or patent number(s): X This document is being filed together with a new application. B. Patent Application No.(s)  13/608,130  Additional numbers attached? Yes X No  5. Name and address to whom correspondence concerning document should be mailed: Name: Marcus J, Millet LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP  Internal Address: Aty Dkt.: Street Address: 600 South Avenue West  City: Westfield State: NJ Zip: 07090 Phone Number: 908-654-5000 Fax Number: 908-654-7866 Email Address: ataylor@Idikm.com  Signature Date  Marcus J, Millet - 28,241  Total number of pages including cover 44  September 14, 2012 Date  Total number of pages including cover 44  Total number of pages including cover 44		
Executive Order 9424, Confirmatory License		City: Plainview
Country: United States of America   Zip: 11803		
Additional name(s) & address(es) Yes X No  4. Application or patent number(s): X This document is being filed together with a new application.  A. Patent Application No.(s) B. Patent No.(s)  13/606,130  Additional numbers attached? Yes X No  5. Name and address to whom correspondence concerning document should be mailed: Name: Marcus J. Millet LERNERR, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP  Internal Address: Atty. Dkl.:  Street Address: 600 South Avenue West  City: Westfield State: NJ Zip: 07090 Phone Number: 908-654-5000 Fax Number: 908-654-7866 Email Address: ataylor@idlkm.com  9. Signature  Marcus J. Millet - 28,241  Total number of pagetications and patents involved:  1. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Additional numbers attached?  Yes X No  6. Total number of applications and patents involved:  1. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Additional numbers of applications and patents involved:  X Authorized to be charged to deposit account Enclosed  None required (government Interest not affecting title)  State: NJ Zip: 07090 Phone Number: 908-654-7866 Deposit Account Number 12-1095 Authorized User Name Marcus J. Millet  September 14, 2012 Date  Marcus J. Millet - 28,241	programme and the second secon	
A. Application or patent number(s):  A. Patent Application No.(s) 13/605,130  Additional numbers attached?  Yes X No  5. Name and address to whom correspondence concerning document should be mailed:  Name:  Marcus J. Millet  LERNER, DAVID, LITTENBERG,  KRUMHOLZ & MENTLIK, LLP  Internal Address: Atty, Dki.:  Street Address: Atty, Dki.:  Street Address: 600 South Avenue West  City:  Westfield  State:  NJ  Zip:  O7080  Phone Number:  908-654-5000  Fax Number:  908-654-5000  Fax Number:  908-654-7866  Email Address:  ataylor@idlkm.com  Authorized User Name  Marcus J. Millet  September 14, 2012  Date  Marcus J. Millet - 28,241  Total number of applications and  1  1  40.00  Additional number of applications and  1  Total number of applications and  1  Address:  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)  8. Payment Information  Authorized User Name  Marcus J. Millet  September 14, 2012  Date		
A. Patent Application No.(s) 13/605,130  Additional numbers attached?  Yes X No  5. Name and address to whom correspondence concerning document should be mailed: Name: Marcus J. Millet LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkl.: Street Address: 600 South Avenue West  City: Westfield State: NJ ZIp: 07090 Phone Number: 908-654-5000 Fax Number: 908-654-7866 Email Address: ataylor@ldlkm.com  Signature  Marcus J. Millet - 28,241  B. Patent No.(s)  Yes X No  6. Total number of applications and patents involved:  1  Authorized to be charged to deposit account Enclosed None required (government Interest not affecting little)  8. Payment Information  Deposit Account Number 12-1095 Authorized User Name Marcus J. Millet  September 14, 2012 Date  Marcus J. Millet - 28,241  Total number of pages including cover 44	Other	
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State:   NJ   Zip:   07090	i '	
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Fax Number: 908-654-7866 Deposit Account Number 12-1095 Email Address: Authorized User Name Marcus J. Millet  9. Signature: September 14, 2012  Signature Date  Marcus J. Millet - 28,241 Total number of pages including cover		
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September 14, 2012  Signature  Date  Marcus J. Millet - 28,241  Total number of pages including cover		Authorized deel regine Marcus J. Millet
Marcus J. Millet - 28,241 Total number of pages including cover	9. Signature:	
	· · · · · · · · · · · · · · · · · · ·	
	Marcus J. Millet - 28,241  Name of Person Signing	

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PATENT REEL: 029016 FRAME: 0503

former PTO/SB/15 (6-UD) ModSed LDLKAM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	VEECO 3.0-109	
Whereas, I, Mikhall Belousov of		
16 Gulick Lane; Plainsboro, New Jersey 08536		
hereafter referred to as assignor, have with others invented certain n	ew and useful improvements in	
CHEMICAL VAPOR DEPOSITION FLOW INLET FLE	MENTS AND METHODS	
x for which an application for a United States Letters Pate	ant was filed on December 4, 2009	
Application Number 12/631,079		
for which an application for a United States Letters Patent was executed by me on, and		
Whereas, Veeco instruments Inc. a corporation of Deleware herein referred to as "assignee" whose mailing 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 this 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 releave applications and patents application and all original, divisional, continuation, continuation-in-part, substitute or releave applications and patents application and all original, divisional and patents of America and all other countries, for said invention, including without limitation all applications and patents of 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, and including the right to claim such 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, helrs and assigns do hereby agree and covenant 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 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 said assignee, its successors, assigns and nominess to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and patents protection for all dountries of the world in		
And I do hereby authorize my attorneys to insert on this deed the filing when known.	date and application number of said application	
	Signature)	
State of <u>New Texsey</u> ) SS: County of <u>Some set</u> )		
on this <u>13</u> day of <u>Nanuary</u> <u>2010</u> before me personally came the above-named <u>Mikhall</u> <u>elousov</u> , to me personally known as the individual who executed the foregoing instrument, who acknowledged to me had the same was executed by him/her of his/her own free will for the purposes therein set forth.		
(Notary Public)		
Total of 3 forms are submitted.		

LDLKM

JO ANNE WEATHERS NOTARY PUBLIC OF NEW JERSEY MY COMMISSION EXPIRES JULY 28, 2014 Suite L. MASSON

**PATENT** 

REEL: 029016 FRAME: 0504

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-109	
Whereas, I. Bojan Mitrovic	of	
57 Freemont Court: Somerset, New Jersey 08873		
herasitar referred to as assignor, have with others invented cartain r	av and useful improvements in	
CHEMICAL VAPOR DEPOSITION FLOW INLET EL	EMENTS AND METHODS	
x for which an application for a United States Letters Patent was filed on		
Application Number 12/631,079	<del></del>	
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	Williag address is	
Terminal Drive; Plainview, New York 11803  le desirous of acquiring the entire right, title and interest in the same;		
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ 1.00 ), the racelpt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignes 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-lenger, 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 leave 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, heire and assigne to hereby agree and covenant 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 easigns, 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 nominess to obtain patent protection for said improvements in all countries, the expenses incident to said assignee all of my right, title and interest in United States Provisional Application No. 61/201.074, filed December 4, 2008, and in the invention disclosed th		
world.  And I do hereby authorize my attorneys to Insert on this deed the filing date and explication number of said application when known.		
02/45/2010	(Signature)	
(Date), State of Alaci Alaci ) SS:	Amenda summer on &	
Orace A:	•	
County of		
On this 19 day of 322444 2010 before me personally came the above-named Bolan Mitrovic 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.		
(Notary Public)	O ANNE WEATHERS	
NOT/	ARY PUBLIC OF NEW JERSEY	
Total of 3 forms all aubmitted. MY COM	MISSION EXPIRES JULY 28, 2014	

LDLKM

**PATENT** 

REEL: 029016 FRAME: 0505

	former PTO/S8/(6 (8-00) Modified LTXL/S	
Docket Number (Opti		
ASSIGNMENT OF UTILITY APPLICATION	VEECO 3.0-109	
Whereas, I, Keng Moy	of	
24 Cedar Creek Drive; Basking Ridge, New Jersey 07920		
hereafter referred to as assignor, have with others invented certain n	ew and useful improvements in	
CHEMICAL VAPOR DEPOSITION FLOW INLET ELI	EMENTS AND METHODS	
x for which an application for a United States Letters Pat	ent was filed on December 4, 2009	
T-T-		
Application Number 12/631,079		
for which an application for a United States Letters Pater	nt was executed by me on	
and		
લાહ્ય		
Whereas, Veeco Instruments Inc.	SW	
a corporation of Delaware herein referred to as "assignee" whose mi	BIHING BOOLGSA IR	
Terminal Drive, Plainview, New York 11803  Is desirous of acquiring the entire right, title and interest in the same;		
IB desirons of actional are eather than the area area area.	iolium /\$ 100 \ the receipt whereOf	
NOW, THEREFORE, in consideration of the sum of one one is acknowledged, and other good and valuable consideration, I as		
Invention and the aforesaid utility patent application and all of	of therefor in the United States of America and all	
priority or benefit and the Commissioner of Patents and Trademail	herein as assignee of the entire interest therein.	
Letters Patent on said improvements and all assignments mercor i	wotened respecting sold improvements, whenever	
become involved, to sign all lawful papers, make all rightlib outlies, and to be generally become involved, to sign all countries, the 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., 81/201.074, filled December 4, 2008, and in the invention disclosed thereto in all countries of the world including time.		
No., 81/201.074, filed December 4, 2008, and in the invention discussed industries of the right to claim priority or benefit of said Application No. 61/201.074 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 fil	ing date and application number of said application	
when known.	_/	
<b></b> < 17 - 4-		
	(Signature)	
State of Med (mass) SS:	/ Cosmon	
County of Women set )		
On this 13 day of Anna 1 4 2010 before me	personally came the above-named Keng Mov. to	
me personally known as the individual who executed the foregoing i was executed by hirp/her of his/her own free will for the purposes the	main set forth.	
Will Complete by Interior of Interior		
(Notary Public)		
(Aprel ) Land		
Y Total of 3 forms are submitted.	- Think	

JO ANNE WEATHERS
NOTARY PUBLIC OF NEW JERSEY

RECORDED: 09/14/2012

PATENT

REEL: 029016 FRAME: 0506