PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Adrian Celaru	06/09/2011
Todd A. Luse	06/09/2011
Ajit P. Paranjpe	06/08/2011
Joseph Scandariato	06/24/2011
Quinfu Tang	06/09/2011

RECEIVING PARTY DATA

Name:	Veeco Instruments Inc.
Street Address:	100 Sunnyside Blvd
Internal Address:	Suite B
City:	Woodbury
State/Country:	NEW YORK
Postal Code:	11797

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13153679

CORRESPONDENCE DATA

Fax Number: (513)241-6234

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 513-241-2324

Email: wallen@whepatent.com

Correspondent Name: WOOD, HERRON & EVANS, LLP

Address Line 1: 2700 CAREW TOWER
Address Line 2: 441 VINE STREET

Address Line 4: CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER: VII-53US

PATENT

REEL: 026522 FRAME: 0166

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NAME OF SUBMITTER:	William R. Allen
Total Attachments: 12	
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PATENT REEL: 026522 FRAME: 0167

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, Adrian Celaru, Todd A. Luse, Ajit P. Paranipe, Joseph Scandariato and Quinfu Tang, hereby assign to Veeco Instruments Inc., a corporation of Delaware and having a place of business at 100 Sunnyside Blvd. Suite B, Woodbury, NY 11797, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of our application for United States Patent filed by us in the United States Patent and Trademark Office on June 6, 2011 as Application Serial No. 13/153,679, entitled MULTI-WAFER ROTATING DISC REACTOR WITH INERTIAL This assignment includes said application, any continuation, PLANETARY DRIVE. division or continuation-in-part thereof and/or substitute therefor, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignce to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

	_ day of _ Jun		Alele	9 	L.S
		Adrian Cela	ıru		
STATE OF No.	4~11				
STATE OF TAK	M MAR	:ss.			
COUNTY OF	Nassau	*13.2.			
	Before me this _	9	day of	June	, 20 <u>1</u> 1
personally appe	eared <u>Adrian Cela</u>	<u>aru,</u> residing in <u>I</u>	Hauppauge, NY	<u>,</u> known to me t	to be the perso
	subscribed to the				he executed th
same as his free	e act and deed for	the purposes the	rein contained.	alc. 0.	
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		Notary Publ	ssion Expires:	U Baaboa	RET M. AKEF
(Matamia Cast)	Herel	My Commi	ssion Expires.	Notary Put	olic, State of No
TIME SHOULD BE SHOULD	LICEU			No.	U1AK6065993
[Notary's Seal]				(Traiisa	alia Cultalle Ca
Anotary's Bear				Qualifie	d in Suffolk Co n Expires Nov.
(Notary's Sear				Qualifie	d in Suffolk Co n Expires Nov.
ŕ			01 -	Qualifie Commissio	n Expires Nov.
ŕ	HEREOF, I hereto s	et my hand and s	seal at Plai	Qualifie Commissio	n Expires Nov.
ŕ	HEREOF, I hereto s day of J (et my hand and s	seal at Plai	Qualifie Commissio	n Expires Nov.
·	HEREOF, I hereto s	et my hand and s	seal at Plai 2011 Jago	Qualifie Commissio	n Expires Nov.
·	HEREOF, I hereto s day of	et my hand and s UNE, Todd A. Lu	seal at <u>Plai</u> 20 <u>11</u> JoSI	Qualifie Commissio	n Expires Nov.
In WITNESS Withis		et my hand and s UNE, Todd A. Lu	seal at <u>Plai</u> 20 <u>11</u> use	Qualifie Commissio	n Expires Nov.
·		Todd A. Lu :	seal at <u>Plai</u> 20 <u>11</u> Jose	Qualifie Commissio	n Expires Nov.
In WITNESS WI this	lew York_	et my hand and s une	seal at <u>Plai</u> 20 <u>11</u> use	Qualifie Commissio	n Expires Nov.
In WITNESS Withis	lew York_	Todd A. Lu : .ss. :	ise	Qualifie Commission	n Expires Nov.
In WITNESS WITHIN THE STATE OF	lew York_	Todd A. Lu : .ss. :	ise	Qualifie Commission	n Expires Nov.
In WITNESS Withis	NACSAM Before me this _ eared Todd A. Lu	Todd A. Lu : :ss	day of . Kings Park, N	Tune (, known to me	L.S
In WITNESS WITHING THE STATE OF	Nacam Before me this _ eared Todd A. Lusters subscribed to the	Todd A. Lu : :ss. :: q use, residing in let foregoing Assi	day of Kings Park, NY	Tune knowledged that	L.s
IN WITNESS WITHING THE STATE OF	NACSAM Before me this _ eared Todd A. Lu	Todd A. Lu : :ss	day of Kings Park, NY gnment and ac	Tune Knowledged that	L.s
IN WITNESS WITHING THE STATE OF	Nacam Before me this _ eared Todd A. Lusters subscribed to the	Todd A. Lu : :ss	day of Kings Park, Ny gnment and ac grein contained.	Tune Knowledged that	L.s
IN WITNESS WITHING THE STATE OF	Nacam Before me this _ eared Todd A. Lusters subscribed to the	Todd A. Lu : : :ss. : q use, residing in le foregoing Assi the purposes the	day of Mings Park, Nogement and accretin contained.	Tune Knowledged that	L.s
In WITNESS Withis	Noce and Before me this _ eared Todd A. Lu s subscribed to the e act and deed for	Todd A. Lu : : :ss. : q use, residing in le foregoing Assi the purposes the	day of Kings Park, Ny gnment and ac grein contained.	Tune Knowledged that	L.s
In WITNESS WITHING THE STATE OF	Noce and Before me this _ eared Todd A. Lu s subscribed to the e act and deed for	Todd A. Lu : : :ss. : q use, residing in le foregoing Assi the purposes the	day of Mings Park, Nogement and accretin contained.	Tune Knowledged that	L.s
In WITNESS Withis	Noce and Before me this _ eared Todd A. Lu s subscribed to the e act and deed for	Todd A. Lu : : :ss. : q use, residing in le foregoing Assi the purposes the	day of Mings Park, Nogement and accretin contained.	Tune (, known to me a knowledged that	L.S L.S L.S A be the person he executed the executed t

PATENT REEL: 026522 FRAME: 0169

this day of	, 20 <u>11</u>	
	Ajit P. Paranjpe	L.S.
Smarry or		
STATE OF	iss.	
COUNTY OF	;	
Before me this	day of	, 20 <u>11</u> ,
person whose name is subsci	aranjpe, residing in <u>Basking Ridge</u> , NJ, know ibed to the foregoing Assignment and acknoct and deed for the purposes therein contained.	
والمنظمة والمراجعة والمنظمة ول	Notary Public	
	My Commission Expires:	
[Notary's Seal Here]		
IN WITNESS WHEREOF, I hereto	set my hand and seal at	untrassiatet translateriateriateriateriateriateriateriateri
this day of		ar es
	Joseph Scandariato	L.S.
Smaron on		
STATE OF	;ss.	
COUNTY OF	:	
Before me this	day of	, 2011,
personally appeared Joseph Sc	candariato, residing in Elmont, NJ, known to 1	ne to be the person
	he foregoing Assignment and acknowledged to the purposes therein contained.	hat he executed the
A CONTRACTOR OF THE CONTRACTOR	Notary Public	
TAT . COLUMN	My Commission Expires:	
[Notary's Seal Here]		

IN WITNESS WHEREOF, I hereto set my hand and seal at Plainnew. Ny	,
 this 9 day of June , 2011	 L.S.
Quinfu Tang	
STATE OF NOW YORK :	
COUNTY OF MASSUM::	
Before me this	
personally appeared <u>Quinfu Tang</u> , residing in <u>Port Jefferson</u> , <u>NY</u> , known to me to be the per whose name is subscribed to the foregoing Assignment and acknowledged that he executed	
same as his free act and deed for the purposes therein contained.	
Notary Public	
My Commission Expires:	
[Notary's Seal Here]	

MARGARET M. AKERLEY Notary Public, State of New York No. 01AK6065993 Qualified in Suffolk County Commission Expires Nov. 5, 2013

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, Adrian Celaru, Todd A. Luse, Ajit P. Paranjpe, Joseph Scandariato and Quinfu Tang, hereby assign to Veeco Instruments Inc., a corporation of Delaware and having a place of business at 100 Sunnyside Blvd, Suite B, Woodbury, NY 11797, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of our application for United States Patent filed by us in the United States Patent and Trademark Office on June 6, 2011 as Application Serial No. 13/153,679, entitled MULTI-WAFER ROTATING DISC REACTOR WITH **INERTIAL** PLANETARY DRIVE. This assignment includes said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at
this day of, 20 <u>11</u>
 Adrian Celaru L.S
STATE OF:
COUNTY OF:
Before me this
Notary Public My Commission Expires: [Notary's Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at, 2011
 Todd A. Luse
STATE OF:
Before me this day of
 Notary Public My Commission Expires: [Notary's Seal Here]

	this		et my hand and seal at, 20 <u>11</u>
			Ajit P. Paranjpe L.
	STATE OF Alex	Sersey	; !ss. ;
. # . **	personally appeared person whose nar	ne is subscribe	day of
	[Notary's Seal Her	e]	Notary Public ALAN P. KASS My Commission Expinosary Public, State of New Jersey My Commission Expires March 30, 2016
	In Witness Wher this d	EOF, I hereto set ay of	et my hand and seal at <u>Source</u> , 2011
		,	Joseph Scandariato
	STATE OF		: :ss. :
	whose name is sul	d <u>Joseph Scand</u> oscribed to the	day of
	[Notary's Seal Hero	2]	Notary Public My Commission Expires:

	hereto set my hand and seal at, 2011	
Anna Anna Anna Anna Anna Anna Anna Anna	Quinfu Tang	L.S
STATE OF	·	
	:ss.	
COUNTY OF	:	
Before m	this day of	, 20 <u>11</u>
	nfu Tang, residing in Port Jefferson, NY, knowned to the foregoing Assignment and acknowledge	
	deed for the purposes therein contained.	to that he executed the
	Notary Public	
	My Commission Expires:	
[Notary's Seal Here]	•	

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, Adrian Celaru, Todd A. Luse, Aiit P. Paranipe, Joseph Scandariato and Quinfu Tang, hereby assign to Veeco Instruments Inc., a corporation of Delaware and having a place of business at 100 Sunnyside Blvd. Suite B, Woodbury, NY 11797, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of our application for United States Patent filed by us in the United States Patent and Trademark Office on June 6, 2011 as Application Serial No. 13/153,679, entitled MULTI-WAFER ROTATING DISC REACTOR WITH INERTIAL PLANETARY DRIVE. This assignment includes said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Page 1 of 4

	In Witness Where	OF, I hereto set my ha	nd and seal at	
	this da	ay of	, 20 <u>11</u>	
~~~				L.S.
		Adr	ian Celaru	
	Control or			
	STATE OF	:ss		
	COUNTY OF	* *		
		ore me this		
	whose name is sub	scribed to the foregoing	ing in <u>Hauppauge</u> , NY, known to ng Assignment and acknowledged oses therein contained.	
		Nota	ary Public	
			Commission Expires:	
	[Notary's Seal Here	]	-	
	In Witness Where this da	OF, I hereto set my har		
		Tod	d A. Luse	L.S.
		100	u A. Luse	
	STATE OF	*		
		tss.		
	COUNTY OF	***************************************		
	Befo	re me this	day of	2011
	personally appeared whose name is subs	<u>Todd A. Luse</u> , residi scribed to the foregoin	ing in Kings Park, NY, known to ag Assignment and acknowledged oses therein contained.	me to be the person
		Nota	ury Public	
			Commission Expires:	
	[Notary's Seal Here]	·	<del>-</del>	

Page 2 of 4

this day of	, 20 <u>11</u>
	Y C
	Ajit P. Paranjpe
STATE OF	;
County of	:ss.
Before me this	day of, 2011, ranjpe, residing in Basking Ridge, NJ, known to me to be the
	bed to the foregoing Assignment and acknowledged that s/he t and deed for the purposes therein contained.
	Notary Public
AV	My Commission Expires:
[Notary's Seal Here]	
IN WITNESS WHEREOF, I hereto	set my hand and seal at <u>CARLSTROT</u> , NJ
this <u>34 ry</u> day of <u>Ju</u>	VE , 2011 Och hat L.S.
	Joseph Scandariato
STATE OF YOW Jersey	
$\sim$	:ss.
COUNTY OF BERGEN	<u>'</u>
Before me this	$24^{17}$ day of $100$ , 2011.
<del>-</del>	andariato, residing in Little Ferry, NJ, known to me to be the
person whose name is subscri	ibed to the foregoing Assignment and acknowledged that he
executed the same as his free act	t and deed for the purposes therein contained.
	Notary Public
	My Commission Expires: September 18, 2019
[Notary's Seal Here]	My Commission Expires: September 18, 2019  Carmen Maranzin
	CARMEN MARRANZINI
	CARMEN MARRANZINI Commission # 2389293 Notary Public, State of New Jersey My Commission Expires

Page 3 of 4

	o set my hand and seal at	<del></del>
this day of	, 20 <u>11</u>	
	1980 (1881 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 - 1981 -	L.S.
	Quinfu Tang	
State of	;	
	SS.	
COUNTY OF	:	
Before me this	day of	, 2011,
	ang, residing in Port Jefferson, NY, known	
whose name is subscribed to	the foregoing Assignment and acknowledge	ed that he executed the
same as his free act and deed t	or the purposes therein contained.	
 <u> </u>	Notary Public	
	My Commission Expires:	
[Notary's Seal Here]	•	

Page 4 of 4