503489733 09/22/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3536358

UBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEY	ANCE:	ASSIGNMENT	
CONVEYING PARTY I	DATA		
		Name Exe	ecution Date
IAIRO T. MOURA		04/2	7/2015
REZA SAEIDPOURAZ	AR	04/2	7/2015
BRANDEN GUNN		05/01	1/2015
MATTHEW W. COADY	(04/2	7/2015
JLYSSES GILCHRIST	-	04/28	8/2015
RECEIVING PARTY D	ΑΤΑ		
Name:	BROOM	(S AUTOMATION, INC.	
Street Address:	15 ELIZ	ABETH DRIVE	
City:	CHELM	ISFORD	
		IUSETTS	
State/Country:			
Postal Code:	01824		
	01824 S Total: 1	Number	
Postal Code: PROPERTY NUMBER	01824 S Total: 1		
Postal Code: PROPERTY NUMBER Property Type	01824	Number	
Postal Code: PROPERTY NUMBER Property Type Application Number:	01824	Number	
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will	01824 S Total: 1 DATA be sent to	Number 14540058	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will	01824 S Total: 1 DATA be sent to f provided	Number 14540058 (203)255-5170 • the e-mail address first; if that is unsuccessful, it with the subscript of the subscrine subscript of the subscript of the subscr	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email:	01824	Number 14540058 (203)255-5170 • the e-mail address first; if that is unsuccessful, it will I; if that is unsuccessful, it will be sent via US Mail. 203-259-1800 kbemonte@pgpatent.com	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name	01824 S Total: 1 DATA be sent to f provided	Number 14540058 (203)255-5170 the e-mail address first; if that is unsuccessful, it will if that is unsuccessful, it will be sent via US Mail. 203-259-1800 kbemonte@pgpatent.com PERMAN & GREEN LLP	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will Ising a fax number, in Phone: Email: Correspondent Name Address Line 1:	01824 S Total: 1 DATA be sent to f provided	Number 14540058 (203)255-5170 <i>o the e-mail address first; if that is unsuccessful, it will if that is unsuccessful, it will be sent via US Mail.</i> 203-259-1800 kbemonte@pgpatent.com PERMAN & GREEN LLP 99 HAWLEY LANE	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name	01824 S Total: 1 DATA be sent to f provided	Number 14540058 (203)255-5170 the e-mail address first; if that is unsuccessful, it will if that is unsuccessful, it will be sent via US Mail. 203-259-1800 kbemonte@pgpatent.com PERMAN & GREEN LLP	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will Ising a fax number, in Phone: Email: Correspondent Name Address Line 1:	01824 S Total: 1 DATA be sent to f provided	Number 14540058 (203)255-5170 <i>o the e-mail address first; if that is unsuccessful, it will if that is unsuccessful, it will be sent via US Mail.</i> 203-259-1800 kbemonte@pgpatent.com PERMAN & GREEN LLP 99 HAWLEY LANE	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 4:	01824	Number 14540058 (203)255-5170 the e-mail address first; if that is unsuccessful, it will if that is unsuccessful, it will be sent via US Mail. 203-259-1800 kbemonte@pgpatent.com PERMAN & GREEN LLP 99 HAWLEY LANE STRATFORD, CONNECTICUT 06614	ll be sent
Postal Code: PROPERTY NUMBER Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 1: Address Line 4:	01824	Number 14540058 (203)255-5170 the e-mail address first; if that is unsuccessful, it will is unsuccessful, it will be sent via US Mail. 203-259-1800 kbemonte@pgpatent.com PERMAN & GREEN LLP 99 HAWLEY LANE STRATFORD, CONNECTICUT 06614 390P014929-US(PAR)	ll be sent

source=CUTE_ExecutedDec_150922#page1.tif

urce=CUTE ExecutedDec 150922#page2.tif
urce=CUTE ExecutedDec 150922#page3.tif
urce=CUTE ExecutedDec 150922#page4.tif
urce=CUTE ExecutedDec 150922#page5.tif
urce=CUTE_ExecutedDec_150922#page6.tif
urce=CUTE_ExecutedDec_150922#page7.tif
urce=CUTE_ExecutedDec_150922#page8.tif
urce=CUTE_ExecutedDec_150922#page9.tif
urce=CUTE_ExecutedDec_150922#page10.tif
urce=CUTE_ExecutedDec_150922#page11.tif

Attorney Docket No.: 390P014929-US(PAR)

Rev. 130322v2

DECLARATION (37CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to :	[] The attached application, or
	 [x] United States application or PCT international application number 14/540,058 filed on November 13, 2014

and was amended on (if applicable) _____.

Title: POSITION FEEDBACK FOR SEALED ENVIRONMENTS

The above-identified application was made or authorized to be made by me.

I believe that I am the original, first inventor or an original, first and joint inventor of a claimed Invention in the application and for which a patent is sought.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the specification and claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulation, Section 1.56.

Whereas, I/we, the below-identified inventor(s), have invented certain new and useful improvements in the Invention identified above and described in the above-identified application (referred to herein as the "Invention");

And, whereas I/we desire to assign the entire worldwide right, title and interest in and to the invention and to any and all patent applications and patents directed thereto to the Assignee identified below:

Assignee Name (if applicable):	Brooks Automation, Inc.
Assignee Address (if applicable):	15 Elizabeth Drive Chelmsford, MA 01824

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said application identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to

Page 1 of 3

any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me/us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And I/we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my/our aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Inventor (Assignor if applicable) Jairo I. Mou	ra:
Signature: 42-1.5	Date: <u>04/27/2015</u>
Country of Citizenship:US	s s
Witnessed By (if applicable): Nathan Spitter	Date:/ <i>J 7/2015</i>
Signature: <u>14 Han Coila</u> City: Bosto	يد
Witnessed By (if applicable): <u>Aaron Geewlik</u>	
	Instate: MA
Legal Name of Inventor (Assignor if applicable) Reza Saeidpo	Bufazar:
Signature:///	Date:
Country of Citizenship: DS RAM	,
Witnessed By (if applicable): Nother Spiker	
Signature: 1/1. Coil, City: Bost	· · ·
Witnessed By (if applicable): <u>Aaron Gaulik</u>	Date: 4/27/2015
and the second	Ins hold State: MA

.....

Page 2 of 3

DECLARATION (37CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to :	[] The attached application, or
	[x] United States application or PCT international application number 14/540,058 filed on November 13, 2014

and was amended on (if applicable) ______.

Title: POSITION FEEDBACK FOR SEALED ENVIRONMENTS

The above-identified application was made or authorized to be made by me.

I believe that I am the original, first inventor or an original, first and joint inventor of a claimed Invention in the application and for which a patent is sought.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the specification and claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulation, Section 1.56.

Whereas, I/we, the below-identified inventor(s), have invented certain new and useful improvements in the Invention identified above and described in the above-identified application (referred to herein as the "Invention");

And, whereas I/we desire to assign the entire worldwide right, title and interest in and to the invention and to any and all patent applications and patents directed thereto to the Assignee identified below:

Assignce Name (if applicable):	Brooks Automation, Inc.
Assignce Address (if applicable):	15 Elizabeth Drive Chelmsford, MA 01824

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said application identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to

Page 1 of 3

any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me/us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And I/we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my/our aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: Date: Country of Citizenship: US Witnessed By (if applicable):_____ Date:_____ Signature: ______ City: _____ State: _____ Witnessed By (if applicable):_____ Date:_____ Signature: _____ City: ____ State: _____ Legal Name of Inventor (Assignor if applicable) Reza Saeidpourazar: Date: Signature: Country of Citizenship: US Witnessed By (if applicable):_____ Date:_____ Signature: City: State: Witnessed By (if applicable):_____ Date:_____ Signature: ______ City: _____ State: _____

Legal Name of Inventor (Assignor if applicable) Jairo T. Moura:

Page 2 of 3

Legal Name of Inventor (Assignor if applica	ble) Branden (. de de sou
Signature:		Date: 5	<u></u>
Country of Citizenship:US			
Witnessed By (if applicable): Hour			
Signature:	City:5	water area a	State: <u>^^}A</u>
Witnessed By (if applicable): <u>//ATHA-//</u>	CLOSSIME	Date:	5/1/2015
Signature: <u>Nattan Jean</u>	City:§	Leven v	State:
Legal Name of Inventor (Assignor if applica	ble) Matthew	W. Coady:	
Signature:		Date:	
Country of Citizenship: <u>US</u>			
Witnessed By (if applicable):		Date:	
Signature:	Cáy:		State:
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Legal Name of Inventor (Assignor if applica	ble) Ulysses C	iilchrist:	
Signature:		Date:	
Country of Citizenship:US			
Witnessed By (if applicable):		Date:	
Signature:	Cây:		State:
Witnessed By (if applicable):		Date;	
Signature:	City:		State:

Page 3 of 3

Attorney Docket No.: 390P014929-US(PAR)

Rev. 130322v2

DECLARATION (37CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to :	[] The attached application, or
	 [x] United States application or PCT international application number 14/540,058 filed on November 13, 2014
	a

and was amended on (if applicable)

Title: POSITION FEEDBACK FOR SEALED ENVIRONMENTS

The above-identified application was made or authorized to be made by me.

I believe that I am the original, first inventor or an original, first and joint inventor of a claimed Invention in the application and for which a patent is sought.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the specification and claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulation, Section 1.56.

Whereas, I/we, the below-identified inventor(s), have invented certain new and useful improvements in the Invention identified above and described in the above-identified application (referred to herein as the "Invention");

And, whereas I/we desire to assign the entire worldwide right, title and interest in and to the invention and to any and all patent applications and patents directed thereto to the Assignee identified below:

Assignce Name (if applicable):	Brooks Automation, Inc.
Assignce Address (if applicable):	15 Elizabeth Drive Chelmsford, MA 01824

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said application identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to

Page 1 of 3

any and all reissues and reexaminations thereof, and in and to any and all priority rights. Convention rights, and other benefits accruing or to accrue to me/us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And I/we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my/our aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Inventor (Assignor if applicable) Jairo T. Moura:

Signature:		Date:	
Country of Citizenship:	US		
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Legal Name of Inventor (Assignor if a Signature:			
Signature:		Date:	
Country of Citizenship: <u> </u>	JS		
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Witnessed By (if applicable):		Date:	
Signature:	City:		State:

Page 2 of 3

Legal Name of Inventor (Assignor if applic	able) Branden Gun	un:
Signature:		Date:
Country of Citizenship: US		
Witnessed By (if applicable):		Date:
Signature:	City:	State:
Witnessed By (if applicable):		Date:
Signature:	City:	
Legal Name of Inventor (Assignor if applic	able) Matthew W.	Coady:
Signature: <u>Matthe Grady</u>		_ Date: <u>April 27, 201</u> 5
Country of Citizenship:US		
Witnessed By (if applicable): Stan	E. Koshy	Date: <u>April 27, 2015</u>
Signature: <u>Acc. E. Zos Az</u>	City:City:	state: CA
Witnessed By (if applicable):		,
Signature:	City:	State:
Legal Name of Inventor (Assignor if applic	able) Ulysses Gilch	irist:
Signature:		Date:
Country of Citizenship: US		
Witnessed By (if applicable):		Date:
Signature:	City:	State:
Witnessed By (if applicable):		Date:
Signature:	City:	State:

Page 3 of 3

DECLARATION (37CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to :	[] The attached application, or
	 [x] United States application or PCT international application number 14/540,058 filed on November 13, 2014
	and was amended on (if applicable)

Title: POSITION FEEDBACK FOR SEALED ENVIRONMENTS

The above-identified application was made or authorized to be made by me.

I believe that I am the original, first inventor or an original, first and joint inventor of a claimed Invention in the application and for which a patent is sought.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the specification and claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulation, Section 1.56.

Whereas, I/we, the below-identified inventor(s), have invented certain new and useful improvements in the Invention identified above and described in the above-identified application (referred to herein as the "Invention");

And, whereas I/we desire to assign the entire worldwide right, title and interest in and to the invention and to any and all patent applications and patents directed thereto to the Assignee identified below:

Assignee Name (if applicable):	Brooks Automation, Inc.
Assignee Address (if applicable):	15 Elizabeth Drive Chelmsford, MA 01824

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said application identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to

Page 1 of 3

any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me/us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And I/we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my/our aforesaid Invention, as the Assignce or its Designee(s) may from time to time require and prepare at its own expense.

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Inventor (Assignor if applicable) Jairo T. Moura:

Signature:		Date:	
Country of Citizenship:	US		
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Legal Name of Inventor (Assignor if appl Signature:	· ·		
Country of Citizenship:US			
Witnessed By (if applicable):		Date:	
Signature:	City:		State:
Witnessed By (if applicable):		Date:	······································
Signature:	City:		State:

Page 2 of 3

Legal Name of Inventor (Assignor if applicable) Branden Gunn:						
Signature:		Date:				
Country of Citizenship: US						
Witnessed By (if applicable):		Date:				
Signature:	City:	S	itate:			
Witnessed By (if applicable):		Date:				
Signature:	City:	§	itate:			
Legal Name of Inventor (Assignor if applicable) Matthew W. Coady:						
Signature:		Date:				
Country of Citizenship: US						
Witnessed By (if applicable):		Date:				
Signature;	Ćity:	\$	State:			
Witnessed By (if applicable):		Date:				
Signature:	City:	<u> </u>	State:			
Legal Name of Inventor (Assignor if applicabl		: Date: <u>4</u>	25/15			
Country of Citizenship:US			/			
Witnessed By (if applicable): Nigel Carl	<u>NAN</u>	Date: 4/28/	15			
Signature: Nig) loculu	City: <u>Neby(</u> /	<u>}</u> \$	state: <u>/// Å</u>			
Witnessed By (if applicable):	Bannatt-	Date: 4/25	<u>/15</u>			
Signature: <u>A. L. Rudt</u>	City: <u>}_absa</u>	<u>£0</u> ,	state: <u>M</u>			

Page 3 of 3

PATENT REEL: 036646 FRAME: 0703

RECORDED: 09/22/2015