

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3547001

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT               |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                   |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>        |
| ANTONIO PIETRANTONIO                                                                                                                                                                            | 05/13/2013                   |
| ANTHONY CHESNA                                                                                                                                                                                  | 06/12/2013                   |
| HAKAN ELMALI                                                                                                                                                                                    | 05/14/2013                   |
| ULYSSES GILCHRIST                                                                                                                                                                               | 05/13/2013                   |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name:</b>                                                                                                                                                                                    | BROOKS AUTOMATION, INC.      |
| <b>Street Address:</b>                                                                                                                                                                          | 15 ELIZABETH DRIVE           |
| <b>City:</b>                                                                                                                                                                                    | CHELMSFORD                   |
| <b>State/Country:</b>                                                                                                                                                                           | MASSACHUSETTS                |
| <b>Postal Code:</b>                                                                                                                                                                             | 01824                        |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                              |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                |
| <b>Application Number:</b>                                                                                                                                                                      | 14868689                     |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                              |
| <b>Fax Number:</b>                                                                                                                                                                              | (203)255-5170                |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                              |
| <b>Phone:</b>                                                                                                                                                                                   | 203-259-1800                 |
| <b>Email:</b>                                                                                                                                                                                   | mbeard@pgpatent.com          |
| <b>Correspondent Name:</b>                                                                                                                                                                      | PERMAN & GREEN, LLP          |
| <b>Address Line 1:</b>                                                                                                                                                                          | 99 HAWLEY LANE               |
| <b>Address Line 4:</b>                                                                                                                                                                          | STRATFORD, CONNECTICUT 06614 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 390P011831-US(CD1)           |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | JANIK MARCOVICI              |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /jm/                         |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 09/29/2015                   |
| <b>Total Attachments: 6</b>                                                                                                                                                                     |                              |
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**PATENT**

**REEL: 036679 FRAME: 0358**

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  
☒ United States application or PCT international application  
number 13/768,495 filed on 15 February 2013 .  
and was amended on (if applicable) \_\_\_\_\_.

Title: **DUAL SCARA ARM**

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 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): **Antonio Pietrantonio**

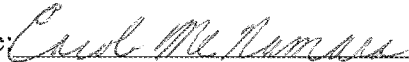
Signature:  Date: 5/13/13

Country of Citizenship: US

Witnessed By (if applicable):  M. Drew Date: 5/13/13

Signature:  City: Rye State: NH

Witnessed By (if applicable): CAROL MCNAMARA Date: 5/13/13

Signature:  City: LEOMINSTER State: MA

Legal Name of Inventor (Assignor if applicable): **Anthony Chesna**

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): **Hakan Elmali**Signature: [Signature] Date: 5/14/13Country of Citizenship: USWitnessed By (if applicable): Yehoram Yasurash Date: 5/14/2013Signature: John Yell City: Chelmsford State: MAWitnessed By (if applicable): ROBERT CAVEY Date: 5/14/2013Signature: [Signature] City: WINDHAM State: NHLegal Name of Inventor (Assignor if applicable): **Ulysses Gilchrist**Signature: [Signature] Date: 5/13/13Country of Citizenship: USWitnessed By (if applicable): GEORGE WESLEY ZEID Date: 5/13/13Signature: George Zeid City: CLINTON State: MAWitnessed By (if applicable): D. MORROW Date: 5/13/13Signature: [Signature] City: HOLLIS State: NH

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countries foreign thereto, which may be granted or have granted for said Invention, and in and to 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;

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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): **Antonio Pietrantonio**

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): **Anthony Chesna**

Signature: Anthony Chesna Date: 6/12/13

Country of Citizenship: US

Witnessed By (if applicable): Abbey Chesna Date: 6/12/13

Signature: Abbey Chesna City: Saugus State: MA

Witnessed By (if applicable): Charles Chesna Date: 12 JUNE 2013

Signature: Charles Chesna City: Saugus State: MA

Legal Name of Inventor (Assignor if applicable): **Hakan Elmali**

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): **Ulysses Gilchrist**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Country of Citizenship: US

Witnessed By (if applicable): \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Witnessed By (if applicable): \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_