503204502 03/04/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3251117

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| ATHANASIA ATHANASIOU | 01/15/2015 |
| ILKER S. BAYER | 01/15/2015 |
| IOANNIS LIAKOS | 01/15/2015 |
| LORIS RIZZELLO | 01/15/2015 |
| ROBERTO CINGOLANI | 01/15/2015 |
| STEFANIA SABELLA | 01/16/2015 |
| PIER PAOLO POMPA | 01/16/2015 |

RECEIVING PARTY DATA

| Name: | FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA | |
|-----------------|--|--|
| Street Address: | VIA MOREGO 30 | |
| City: | GENOVA | |
| State/Country: | ITALY | |
| Postal Code: | I-16163 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 14384591 | |

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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.

Phone: 612.332.5300

Email: mcaufman@merchantgould.com

Correspondent Name: GREGORY A. SEBALD

P.O. BOX 2903 Address Line 1:

Address Line 2: MERCHANT & GOULD P.C.

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

| ATTORNEY DOCKET NUMBER: | 09728.0584FPWO |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | GREGORY A. SEBALD |
| SIGNATURE: | /Gregory Sebald/ |
| DATE SIGNED: | 03/04/2015 |

PAIENI REEL: 035086 FRAME: 0052

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Total Attachments: 6 source=2015-03-04--Executed-Assignment#page1.tif source=2015-03-04--Executed-Assignment#page2.tif source=2015-03-04--Executed-Assignment#page3.tif source=2015-03-04--Executed-Assignment#page4.tif source=2015-03-04--Executed-Assignment#page5.tif source=2015-03-04--Executed-Assignment#page6.tif

PATENT REEL: 035086 FRAME: 0053

| INSTRUCTIONS | U.S. ASSIGNMENT TO CORPORATION | |
|--|---|--|
| | WHEREAS, | |
| | 1. <u>ATHANASIOU Athanasia</u> residing at <u>Salita Guardia 147/A1. I-16014</u> CERANESI (Genova) Italy and a citizen of <u>Greece:</u> | |
| | 2. BAYER Ilker S. residing at Via Pasquale Pastorino23/27, I-16162 GENOVA (Italy) and a citizen of Turkey: | |
| | 3. <u>LIAKOS Ioannis</u> residing at <u>Via di Scurreria 2/9. I-16123 GENOVA (Italy)</u> and a citizen of <u>Greece</u> ; | |
| | 4. RIZZELLO Loris residing at Via Vecchia S. Pietro in Lama 37, I-73100 LECCE (Italy) and a citizen of Italy; | |
| | 5. <u>CINGOLANI Roberto</u> residing at <u>Salita Guardia147/A1. I-16014 CERANESI</u> (<u>Genova</u>) <u>Italy</u> and a citizen of <u>Italy</u> : | |
| | 6. <u>SABELLA Stefania</u> residing at <u>Piazza Mazzini 24, I-73100 LECCE (Italy)</u> and a citizen of <u>Italy:</u> | |
| | 7. POMPA Pier Paolo residing at Via Mazzini 24. I-73100 LECCE (Italy) and a citizen of Italy: | |
| Check the appropriate box and fill in the requested information: • select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution; • select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation; • select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or | Serial No, filed) this application's U.S. Serial Number and filing date, when known; and was given U.S. Serial No; or is filed concurrently herewith; | |

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will be filed with the application. AND WHEREAS <u>FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA</u> Name of Corporation (herein called "ASSIGNEE"), a corporation organized under the laws of Italy, and having an office and place of business at Via Morego 30, I-16163 GENOVA wishes to acquire the entire right, title and interest in and to said invention and State or Country of patent application and any Letters Patent to be obtained therefor; Incorporation and Address NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns. THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be. THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED. IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below. Each inventor must sign & date Note: No legalization or other witness required

| Willess required | Signature: | Date: Jan. 15, 2015 |
|--|-----------------------|---------------------|
| Name: <u>ATHANASIOU</u> <u>Athanasia</u> | Atlantis, | , l |
| Name: BAYER Ilker S. | Signature: Jely Bayer | Date: Jan. 15, 2015 |
| Name: LIAKOS Ioannis | Signature: | Date: Jan.15, 2015 |

| Name: RIZZELLO Loris | Signature: LOUS MANUEL | Date: Jan. 15, 2015 |
|-------------------------|------------------------|---------------------|
| Name: CINGOLANI Roberto | Signature: | Date: Jan. 15, 2015 |
| Name: SABELLA Stefania | Signature: | Date: |
| Name: POMPA Pier Paolo | Signature: | Date: |

| INSTRUCTIONS | U.S. ASSIGNMENT TO CORPORATION | |
|---|--|--|
| | WHEREAS, | |
| Inventor(s) Name, Address, Citizenship | ATHANASIOU Athanasia residing at Salita Guardia 147/A1, I-16014 CERANESI (Genova) Italy and a citizen of Greece: | |
| | 2. BAYER Ilker S. residing at Via Pasquale Pastorino23/27, I-16162 GENOVA (Italy) and a citizen of Turkey; | |
| | 3. <u>LIAKOS Ioannis</u> residing at <u>Via di Scurreria 2/9, I-16123 GENOVA (Italy)</u> and a citizen of <u>Greece:</u> | |
| | 4. RIZZELLO Loris residing at Via Vecchia S. Pietro in Lama 37, 1-73100 LECCE (Italy) and a citizen of Italy; | |
| | 5. <u>CINGOLANI Roberto</u> residing at <u>Salita Guardia147/A1, I-16014 CERANESI</u> (<u>Genova) Italy</u> and a citizen of <u>Italy</u> ; | |
| | 6. SABELLA Stefania residing at Piazza Mazzini 24, 1-73100 LECCE (Italy) and a citizen of Italy; | |
| | 7. POMPA Pier Paolo residing at Via Mazzini 24, I-73100 LECCE (Italy) and a citizen of Italy: | |
| Check the appropriate box and fill in the requested information: • select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution; • select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation; • select the third check box if the application was previously filed an provide the serial number and filing date before sending the assignment for execution; or | will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No, filed) this application's U.S. Serial Number and filing date, when known; was filed on and was given U.S. Serial No; or; or; is filed concurrently herewith; | |

Page 1 of 3

| will be filed with the application. | | |
|--|--|--------------------------------|
| (1 h | AND WHEREAS FONDAZIONE ISTITUTO ITALIA nerein called "ASSIGNEE"), a corporation organized un aving an office and place of business at <u>Via Morego 30</u> Italy) | ider the laws of Italy, and |
| State or Country of Incorporation and Address p | vishes to acquire the entire right, title and interest in and latent application and any Letters Patent to be obtained t | to said invention and herefor; |
| g a / C t F F S T K K S S S S S S S S S S S S S S S S | NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby good and valuable consideration, the receipt and sufficiency of which is hereby good and valuable consideration, the receipt and sufficiency of which is hereby good and valuable consideration, the receipt and sufficiency of which is hereby good and valuable consideration assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, and in and to the said applications, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED nereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns. THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letter | |
| Each inventor must sign & date Note: No legalization or other witness required | | |
| Name: ATHANASIOU Athanasia | Signature: | Date: |
| Name: BAYER Ilker S. | Signature: | Date: |
| Name: LIAKOS Ioannis | Signature: | Date: |
| | | |

| | Signature: | Date: |
|-------------------------|------------------|---------------------|
| Name: RIZZELLO Loris | • | |
| Name: CINGOLANI Roberto | Signature: | Date: |
| Name: SABELLA Stefania | Signature: | Date: Jan. 16, 2015 |
| | Signature: | Date: Jan/ 16, 2015 |
| Name: POMPA Pier Paolo | ties tooks to se | |