### 502907497 07/25/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2954094

| NATURE OF CONVEYAN                                                                                                                                                              |             | NEW ASSIGNMENT                                                                                                                                                                                  |           |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|
| TATURE OF CONVEYAN                                                                                                                                                              | ICE:        | ASSIGNMENT                                                                                                                                                                                      |           |                     |
| CONVEYING PARTY DA                                                                                                                                                              | ATA         | · ·                                                                                                                                                                                             |           |                     |
|                                                                                                                                                                                 |             | Name                                                                                                                                                                                            |           | Execution Date      |
| SAMI ZAIM                                                                                                                                                                       |             |                                                                                                                                                                                                 |           | 05/06/2013          |
| FARID MEIBODY-TABA                                                                                                                                                              | 2           |                                                                                                                                                                                                 |           | 05/12/2013          |
| BABAK NAHID-MOBARA                                                                                                                                                              | <b>\KEH</b> |                                                                                                                                                                                                 |           | 05/12/2013          |
| REGIS BERNARD ALBE                                                                                                                                                              | RT MEL      | JRET                                                                                                                                                                                            |           | 05/22/2013          |
| RECEIVING PARTY DA                                                                                                                                                              | <br>ГА      |                                                                                                                                                                                                 |           |                     |
| Name:                                                                                                                                                                           | HISPA       | NO-SUIZA                                                                                                                                                                                        |           |                     |
| Street Address:                                                                                                                                                                 | 18 BLC      | D LOUIS SEGUIN                                                                                                                                                                                  |           |                     |
| City:                                                                                                                                                                           | COLON       | MBES                                                                                                                                                                                            |           |                     |
| State/Country:                                                                                                                                                                  | FRANC       | CE                                                                                                                                                                                              |           |                     |
| Postal Code:                                                                                                                                                                    | 92707       |                                                                                                                                                                                                 |           |                     |
| Name:                                                                                                                                                                           | UNIVE       | RSITE DE LORRAINE                                                                                                                                                                               |           |                     |
| Street Address:                                                                                                                                                                 | 34 COI      | URS LEOPOLD                                                                                                                                                                                     |           |                     |
| City:                                                                                                                                                                           | NANC        | Y                                                                                                                                                                                               |           |                     |
| State/Country:                                                                                                                                                                  | FRANC       | CE                                                                                                                                                                                              |           |                     |
| Postal Code: 54052                                                                                                                                                              |             |                                                                                                                                                                                                 |           |                     |
|                                                                                                                                                                                 |             |                                                                                                                                                                                                 |           |                     |
| PROPERTY NUMBERS Property Type                                                                                                                                                  | I otal: 1   | Number                                                                                                                                                                                          |           |                     |
| Application Number:                                                                                                                                                             |             | 14374605                                                                                                                                                                                        | —         |                     |
| CORRESPONDENCE D                                                                                                                                                                |             | (703)413-2220                                                                                                                                                                                   | 1         |                     |
| Eav Number                                                                                                                                                                      |             | (103)413-2220                                                                                                                                                                                   |           |                     |
|                                                                                                                                                                                 | sent tr     | o the e-mail address first: if that is                                                                                                                                                          | unsuccess | ul, it will be sent |
| Correspondence will be                                                                                                                                                          |             | o the e-mail address first; if that is<br>d; if that is unsuccessful, it will be                                                                                                                |           |                     |
| <i>Correspondence will be<br/>using a fax number, if p</i><br>Phone:                                                                                                            |             | <i>d; if that is unsuccessful, it will be</i><br>(703) 413-3000                                                                                                                                 |           |                     |
| <i>Correspondence will be<br/>using a fax number, if p</i><br>Phone:<br>Email:                                                                                                  | orovideo    | <i>d; if that is unsuccessful, it will be</i><br>(703) 413-3000<br>mcoates@oblon.com                                                                                                            |           |                     |
| Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:                                                                                   | orovideo    | <i>d; if that is unsuccessful, it will be</i><br>(703) 413-3000<br>mcoates@oblon.com<br>OBLON, SPIVAK, ET AL.                                                                                   |           |                     |
| Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:                                                                | orovideo    | <i>d; if that is unsuccessful, it will be</i><br>(703) 413-3000<br>mcoates@oblon.com<br>OBLON, SPIVAK, ET AL.<br>1940 DUKE STREET                                                               |           |                     |
| <i>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:                                                                | provideo    | d; if that is unsuccessful, it will be<br>(703) 413-3000<br>mcoates@oblon.com<br>OBLON, SPIVAK, ET AL.<br>1940 DUKE STREET<br>ALEXANDRIA, VIRGINIA 22314                                        |           |                     |
| Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:                                             | provideo    | d; if that is unsuccessful, it will be<br>(703) 413-3000<br>mcoates@oblon.com<br>OBLON, SPIVAK, ET AL.<br>1940 DUKE STREET<br>ALEXANDRIA, VIRGINIA 22314<br>437973US41X PCT                     |           |                     |
| Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER: | provideo    | d; if that is unsuccessful, it will be<br>(703) 413-3000<br>mcoates@oblon.com<br>OBLON, SPIVAK, ET AL.<br>1940 DUKE STREET<br>ALEXANDRIA, VIRGINIA 22314<br>437973US41X PCT<br>MALIKA T. COATES |           |                     |
| Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:                                             | provideo    | d; if that is unsuccessful, it will be<br>(703) 413-3000<br>mcoates@oblon.com<br>OBLON, SPIVAK, ET AL.<br>1940 DUKE STREET<br>ALEXANDRIA, VIRGINIA 22314<br>437973US41X PCT                     |           |                     |

| DATE SIGNED:                                                                                                                                                 | 07/25/2014     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Total Attachments: 4<br>source=437973USASSIGNMENT#page<br>source=437973USASSIGNMENT#page<br>source=437973USASSIGNMENT#page<br>source=437973USASSIGNMENT#page | 2.tif<br>3.tif |

As a below named inventor, I hereby declare that, I

| Inventor Name                  | Complete Address                             |      |
|--------------------------------|----------------------------------------------|------|
| ZAIM Sami                      | 205 Bis Avenue Daumesnil, 75012 PARIS FRANCE |      |
|                                | gnor) have made an invention entitled:       |      |
| Title of Invention (in French) |                                              |      |
|                                |                                              |      |
| COMMANDE D'UNE MACHINE ELECTI  | RIQUE A AIMANTS PERMANENTS                   | ···· |

for which an application for Letters Patent has been filed in the following country:

| Country | Filing Date | Serial Number |
|---------|-------------|---------------|
| FRANCE  | JAN-31-2012 | 1250888       |
|         |             |               |

The above-identified application(s) was/were made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

#### AND, WHEREAS,

| Corporation Name                        | Complete Address                                             |
|-----------------------------------------|--------------------------------------------------------------|
| HISPANO SUIZA<br>UNIVERSITE DE LORRAINE | HISPANO SUIZA 18 BId Louis SEGUIN 92707 COLOMBES FRANCE      |
|                                         | UNIVERSITE DE LORRAINE 34 Cours Leopold 54052 NANCY - FRANCE |
|                                         |                                                              |
|                                         |                                                              |

(Hereinafter referred to as the Assignee[s]) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (€1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee[s] is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee[s], its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions; and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will communicate with the Assignee[s], its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee[s], its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee[s], its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee[s] or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee[s], its/their successors, and assigns.

This Assignment agreement is effective as of the earliest filing date mentioned above.

AND, 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.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

| Orte    | Place       | Inventor Name & Signature |   | Witness Name & Signature |           |  |
|---------|-------------|---------------------------|---|--------------------------|-----------|--|
| Noy 6th | REAN-FRANCE | Sam: ZAIM                 | 2 | Kivin LOUDIERE           | Condition |  |
| 5012    |             | l                         |   |                          |           |  |

#### As a below named inventor, I hereby declare that, I

| Inventor Name       | Complete Address                                             |
|---------------------|--------------------------------------------------------------|
| MEIBODY-TABAR Farid | S rue John Kitzgerald KENNEDY 54600 VILLERS LES NANCY FRANCE |

#### (Hereinafter referred to as the Assignor) have made an invention entitled:

Title of Invention (in French)

COMMANDE D'UNE MACHINE ÉLECTRIQUE À AIMANTS PERMANENTS

Title of Invention (in English)

#### for which an application for Letters Patent has been filed in the following country:

| Country | Filing Date | Serial Number |
|---------|-------------|---------------|
| FRANCE  | JAN-31-2012 | 1250888       |
|         |             |               |

The above-identified application(s) was/were made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

#### AND, WHEREAS,

| Complete Address                                             |  |
|--------------------------------------------------------------|--|
| HISPANO SUIZA 18 BId Louis SEGUIN 92707 COLOMBES FRANCE      |  |
| UNIVERSITE DE LORRAINE 34 Cours Leopold 54052 NANCY - FRANCE |  |
|                                                              |  |
|                                                              |  |
|                                                              |  |

(Hereinafter referred to as the Assignee[s]) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (€1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee[s] is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee[s], its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States. Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment:

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment; and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will communicate with the Assignee(s), its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee(s) or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee(s), its/their successors, and assigns.

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IN TESTIMONY WHEREOF, I HAVE SIGNED:

| Date      | Place         | Inventor Name & Signature | Witness Name & Signature |          |
|-----------|---------------|---------------------------|--------------------------|----------|
| May 12 th | UTITERS-LEST  | Forid MEIBODY-TABAR       | Songe PIERFEDENIC        |          |
| 2013      | VILLET'S NAKE | MASBLOT L                 | ( <u>upper 1</u>         | <b>_</b> |

### PATENT REEL: 033391 FRAME: 0492

#### As a below named inventor, I hereby declare that, I

| Inventor Name         | Complete Address                                         |
|-----------------------|----------------------------------------------------------|
| NAHID-MOBARAKEH Babak | 8 allée Jean-Antoine BAIF 54600 VILLERS LES NANCY FRANCE |

(Hereinafter referred to as the Assignor) have made an invention entitled.

Title of Invention (in French)

COMMANDE D'UNE MACHINE ELECTRIQUE À AIMANTS PERMANENTS

Title of Invention (in English)

for which an application for Letters Patent has been filed in the following country:

|   | Country | Filing Date | Serial Number |
|---|---------|-------------|---------------|
|   | FRANCE  | JAN-31-2017 | 1250888       |
|   | · ·     |             |               |
| 1 |         |             |               |

The above-identified application(s) was/were made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

#### AND, WHEREAS,

| Corporation Name       | Complete Address                                             |  |
|------------------------|--------------------------------------------------------------|--|
| HISPAND SUIZA          | HISPANO SUIZA 18 BId Louis SEGUIN 92707 COLOMBES FRANCE      |  |
| UNIVERSITE DE LORRAINE | UNIVERSITE DE LORRAINE 34 Cours Leopold 54052 NANCY - FRANCE |  |
|                        |                                                              |  |
|                        |                                                              |  |
|                        |                                                              |  |

(Hereinafter referred to as the Assignee[s]) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent or this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (€1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee[s] is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee[s], its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and a hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment;

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IN TESTIMONY WHEREOF, I HAVE SIGNED:

| Date             | Place             | Inventor Name & Signature | Witness Name & Signature |
|------------------|-------------------|---------------------------|--------------------------|
| MAY 12th<br>2013 | Villers_les-Nancy | Babak NAHID-MOBARAKGH     | Nowrectoline TAKO RABE   |
|                  |                   |                           | A                        |

PATENT REEL: 033391 FRAME: 0493

#### As a below named inventor, I hereby declare that, I

| Inventor Name                 | Complete Address                            |
|-------------------------------|---------------------------------------------|
| MEURET Régis, Bernard, Albert | 31 avenue de Seine 77000 LA ROCHETTE FRANCE |

(Hereinafter referred to as the Assignor) have made an invention entitled:

Title of Invention (in French)

Title of invention (in English)

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|         |             |               |

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#### AND, WHEREAS,

| Corporation Nome       | Complete Address                                             |  |
|------------------------|--------------------------------------------------------------|--|
| HISPANO SUIZA          | HISPANO SUIZA 18 BIO LOUIS SEGUIN 92707 COLOMBES FRANCE      |  |
| UNIVERSITE DE LORRAINE | UNIVERSITE DE LORAAINE 34 Cours Leopold 54052 NANCY - FRANCE |  |
|                        |                                                              |  |
|                        |                                                              |  |

(Hereinafter referred to as the Assignee(s)) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

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IN TESTIMONY WHEREOF, I HAVE SIGNED:

| Date            | Place   | inventor Name & Signature | Witness Nome & Signature |
|-----------------|---------|---------------------------|--------------------------|
| May 22.<br>2013 | V. W he | MEURET R.                 | GUEREL François          |