# 504085292 11/07/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4131960

| SUBMISSION TYPE:  |                                | NE   | W ASSIGNMENT  |                      |   |   |
|---|--------------------------------|--|---|----------------------|---|---|
| NATURE OF CONVEYAN  | CE:                            | AS   | SIGNMENT  |                      |   |   |
| CONVEYING PARTY DA  | ТА                             |  |   |                      |   |   |
|   |                                | Nan  | ne  |                      | Execution Date                                | 7 |
| SHINICHI KATO   |                                |  |   |                      | 01/19/2015                                    | 1 |
| YUKI MIZUSHI  |                                |  |   |                      | 01/19/2015                                    |   |
| KAYO SHIMOHAMA  |                                |  |   |                      | 01/19/2015                                    |   |
| YASUHIRO ENDO   |                                |  |   |                      | 01/14/2015                                    |   |
| KENTAROU TSUKAMOT   | 0                              |  |   |                      | 01/15/2015                                    |   |
| RECEIVING PARTY DAT   | Α                              |  |   |                      |   |   |
| Name:   | MITSUE                         | BISHI ELI  | ECTRIC CORPORATIO   | DN                   |   | 7 |
| Street Address:   | 7-3, MA                        | RUNOU  | CHI 2-CHOME, CHIYO  | DA-KU                |   | 1 |
| City:   | ΤΟΚΥΟ                          | )  |   |                      |   | 1 |
| State/Country:  | JAPAN                          |  |   |                      |   | 1 |
| Postal Code:  | 100-831                        | 10   |   |                      |   | - |
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| PROPERTY NUMBERS  | Total: 1                       |  |   |                      |   |   |
| Property Type   |                                |  |   |                      |   |   |
| Property Type   |                                |  | Number  |                      |   |   |
| Property Type<br>Application Number:  | 2                              | 29583584   |   |                      |   |   |
| Application Number:   |                                | 29583584   |   |                      |   |   |
| Application Number:   |                                |  | 4   |                      |   |   |
| Application Number:<br>CORRESPONDENCE DA<br>Fax Number:   | <br>ATA (                      | (703)390   | 4<br>-1277  | t is uns             | successful, it will be sent                   |   |
| Application Number:<br>CORRESPONDENCE DA<br>Fax Number:   | ATA<br>(<br>sent to            | (703)390-<br>• the e-ma  | 4<br>-1277<br>ail address first; if tha   |                      | successful, it will be sent<br>t via US Mail. |   |
| Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br>Correspondence will be<br>using a fax number, if po<br>Phone:  | ATA<br>sent to<br>rovided      | (703)390<br>• <b>the e-m</b><br>I; if that i<br>703 390 §  | 4<br>-1277<br><b>ail address first; if tha</b><br><b>s unsuccessful, it will</b><br>9051  |                      |   |   |
| Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br>Correspondence will be<br>using a fax number, if p.<br>Phone:<br>Email:  | ATA<br>sent to<br>rovided      | (703)390<br>• <b>the e-m</b> a<br><b>I; if that i</b><br>703 390 9<br>info@sbp   | 4<br>-1277<br><b>ail address first; if tha</b><br><b>s unsuccessful, it will</b><br>9051<br>patentlaw.com   | be sen               |   |   |
| Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br>Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:  | ATA<br>sent to<br>rovided      | (703)390<br>• <b>the e-m</b> a<br><b>1; if that i</b><br>703 390 9<br>info@sbp<br>STUDEB   | 4<br>-1277<br><b>ail address first; if tha</b><br><b>s unsuccessful, it will</b><br>9051<br>patentlaw.com<br>AKER & BRACKETT P  | ' <b>be sen</b><br>C |   |   |
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| Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br>Correspondence will be<br>using a fax number, if parts<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>ATTORNEY DOCKET NUM | ATA<br>sent to<br>rovided<br>i | (703)390-<br><b>the e-ma</b><br><b>i; if that i</b><br>703 390 9<br>info@sbp<br>STUDEB<br>12700 SL<br>SUITE 10<br>RESTON<br>002<br>002<br>002<br>002       | 4<br>-1277<br>ail address first; if tha<br>s unsuccessful, it will<br>9051<br>batentlaw.com<br>AKER & BRACKETT P<br>JNRISE VALLEY DRIV<br>02<br>J VIRGINIA 20191<br>4800-ME0059<br>DNALD R. STUDEBAKE | C<br>E               |   |   |

| Total Attachments: 10            |  |
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## COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

| Title of invention:   |   |
|---|---|
| CONTROLLERS FOR SERVOMOTORS   |   |
| 私は、以下に記名された発明者として、ここに下記<br>の通り宣言する:   | As a below named inventor, I hereby declare that:   |
| 本宣言書は、以下の出願に対するものである:   | This declaration is directed to:  |
| <ul> <li>□ 添付された出願、あるいは、</li> <li>□ 米国出願番号またはPCT国際出願番号は、</li> <li>であり、且つ</li> <li>の日に出願された出願(該</li> </ul> | The attached application, or     United States application or PCT international     application number filed on   |
| 当する場合)  |   |
| 上記出顧書(明細套及び図面)は、私が作成したもの<br>か、あるいは私がその作成を許可したものである。   | The above-identified application was made or<br>authorized to be made by me.  |
| 私は、本米国出顧の請求範囲で記載された発明に対<br>する原発明者であるか、或いは、原共同発明者であ<br>ると信じている。  | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  |
| 私は、ここでの宣誓または陳述において故意に偽り<br>を述べた場合、合衆国法與第18巻第1001条に基づ<br>き、罰金あるいは5年以下の懲役、または、両方の<br>懲罰を受けることを認める。          | I hereby acknowledge that any willful false statement<br>made in this declaration is punishable under 18 U.S.C.<br>1001 by fine or imprisonment of not more than five (5)<br>years, or both.              |
|   | STATEMENT OF ACCURATE TRANSLATION IN<br>ACCORDANCE WITH 37 CFR 1.69(b):   |
|   | The Declaration and Assignment for Patent and Design<br>Applications is an accurate translation of the corresponding<br>English language Declaration and Assignment for Patent<br>and Design Applications |
|   | Signature:  |
| · · · · · · · · · · · · · · · · · · ·   | Date: <u>11/15/2012</u>   |

STUDEBAKER BRACKETT PC

Attorney Docket No. 004800-12

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application is combined herewith.

[X] said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on, \_\_\_\_\_\_\_\_ authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u>, to insert here in parentheses (Application Serial No.\_\_\_\_\_\_) the application serial number of said application when known;

AND WHEREAS <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3</u>, <u>Marunouchi 2-chome</u>, <u>Chivoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof,

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and to said invention and any and all patents which may be granted therefor, including any and all renewals, relasues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, relasues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, spowers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

| 発明者氏名/ Legal Name of Inventor                 |                   |
|---|-------------------|
| 2001.0 mills coller lange of treasure         | Shinichi KATO     |
| <sup>発明者の警袖</sup> / Signature Shial chi Keto. | B村/Date 1/19/2015 |

Page 2 of 2

### PATENT REEL: 040245 FRAME: 0643



## COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

| Title of Invention:   |   |
|---|---|
| CONTROLLERS FOR SERVOMOTORS   |   |
| 私は、以下に記名された発明者として、ここに下記<br>の通り宣言する:   | As a below named inventor, I hereby declare that:   |
| 本宣言書は、以下の出願に対するものである:   | This declaration is directed to:  |
| <ul> <li>□ 蒸付された出願、あるいは、</li> <li>□ 米国出願番号またはPCT国際出願番号は、</li> <li>であり、且つ</li> <li>の日に出願された出願(該</li> <li>当する場合)</li> </ul> | The attached application, or<br>United States application or PCT international<br>application number  |
| 上記出顕書(明細書及び図面)は、私が作成したもの<br>か、あるいは私がその作成を許可したものである。   | The above-identified application was made or authorized to be made by me.   |
| 私は、本米国出願の諸求範囲で記載された発明に対<br>する原発明者であるか、或いは、原共同発明者であ<br>ると信じている。  | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  |
| 私は、ここでの宣誓または陳述において故意に偽り<br>を述べた場合、合衆国法典第18巻第1001条に基づ<br>き、罰金あるいは5年以下の懲役、または、両方の<br>懲罰を受けることを認める。                          | I hereby acknowledge that any willful false statement<br>made in this declaration is punishable under 18 U.S.C.<br>1001 by fine or imprisonment of not more than five (5)<br>years, or both.              |
|   | STATEMENT OF ACCURATE TRANSLATION IN<br>ACCORDANCE WITH 37 CFR 1.69(b):   |
|   | The Declaration and Assignment for Patent and Design<br>Applications is an accurate translation of the corresponding<br>English language Declaration and Assignment for Patent<br>and Design Applications |
|   | Signature:  |
|   | Date: <u>11/15/2012</u>   |

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application is combined herewith.

[X] said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on, \_\_\_\_\_\_ authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u>, to insert here in parentheses (Application Serial No.\_\_\_\_\_\_) the application serial number of said application when known;

Said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_\_
Serial No. \_\_\_\_\_\_, the United States of America being designated.

AND WHEREAS <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3</u>, <u>Marunouchi 2-chome</u>, <u>Chivoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and no and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appending thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, including the term or terms of any and all such patents when granted, and said assignee's successors and assignee, and said assignee's successors and assignee, and said assignee's nor appending thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assignee, and said assignee's successors and assignee, and said assignee's hereof.

AND said assigner hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

| 発明者氏名/ Legal Name of Inventor |                            |
|-------------------------------|----------------------------|
|                               | Yuki MIZUSHI               |
| 発明者の署名/ Signature             | Mizushi BATIDate 1/A /2015 |

Page 2 of 2

#### PATENT REEL: 040245 FRAME: 0645

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Attorney Docket No. 004800-12

## COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

| Title of Invention:   |   |
|---|---|
| CONTROLLERS FOR SERVOMOTORS   |   |
| 私は、以下に記名された発明者として、ここに下記<br>の通り宣言する:   | As a below named inventor, I hereby declare that:   |
| 本宣言書は、以下の出願に対するものである:   | This declaration is directed to:  |
| <ul> <li>□ 続付された出題、あるいは、</li> <li>□ 米国出題番号またはPCT国際出題番号は、</li> <li>であり、且つ</li> <li>の日に出題された出題(該</li> </ul> | The attached application, or<br>United States application or PCT international<br>application number  |
| 上記出顧書(明細書及び図面)は、私が作成したもの<br>か、あるいは私がその作成を許可したものである。   | The above-identified application was made or authorized to be made by me.   |
| 私は、本米国出願の請求範囲で記載された発明に対<br>する原発明者であるか、或いは、原共同発明者であ<br>ると信じている。  | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  |
| 私は、ここでの宣誓または陳述において故意に偽り<br>を述べた場合、合衆国法典第18巻第1001条に基づ<br>き、罰金あるいは5年以下の懲役、または、両方の<br>懲罰を受けることを認める。          | I hereby acknowledge that any willful false statement<br>made in this declaration is punishable under 18 U.S.C.<br>1001 by fine or imprisonment of not more than five (5)<br>years, or both.              |
|   | STATEMENT OF ACCURATE TRANSLATION IN<br>ACCORDANCE WITH 37 CFR 1.69(b):   |
|   | The Declaration and Assignment for Patent and Design<br>Applications is an accurate translation of the corresponding<br>English language Declaration and Assignment for Patent<br>and Design Applications |
|   | Signature:  |
|   | Date: <u>11/15/2012</u>   |

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application is combined herewith.

[X] said application to be filed in the United States Patent and Trademark Office;

I I said application having been filed in the United States Patent and Trademark Office on, \_\_\_\_\_\_\_authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u>, to insert here in parentheses (Application Serial No.\_\_\_\_\_\_) the application serial number of said application when known;

[ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_\_ Serial No. \_\_\_\_\_\_ the United States of America being designated.

AND WHEREAS <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3</u>, <u>Marunouchi 2-chome</u>. <u>Chiyoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and ell divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigne, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assignee, and said assignee's successors and assignee, and said assignee's new and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assignee's succes

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

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|---|-------------------|
| 発明者氏名/Legal Name of Inventor            | Kayo SHIMOHAMA    |
| ,                                       |                   |
| 発明者の署名/ Signature                       | B付/Date 1/19/2015 |
| Kayo Shimohama                          | / 11 / 20010      |

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## COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

| Title of Invention:  |   |
|--|---|
| CONTROLLERS FOR SERVOMOTORS  |   |
| 私は、以下に記名された発明者として、ここに下記<br>の通り宣言する:  | As a below named inventor, I hereby declare that:   |
| 本宣言書は、以下の出願に対するものである:  | This declaration is directed to:  |
| 添付された出願、あるいは、         米国出願番号またはPCT国際出願番号は、         であり、且つ        の日に出願された出願(該当する場合)              | The attached application, or<br>United States application or PCT international<br>application number  |
| 上記出願書(明細書及び図面)は、私が作成したもの<br>か、あるいは私がその作成を許可したものである。  | The above-identified application was made or<br>authorized to be made by me.  |
| 私は、本米国出願の請求範囲で記載された発明に対<br>する原発明者であるか、或いは、原共同発明者であ<br>ると信じている。                                   | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  |
| 私は、ここでの宣誓または陳述において故意に偽り<br>を述べた場合、合衆国法典第18巻第1001条に基づ<br>き、罰金あるいは5年以下の懲役、または、両方の<br>懲罰を受けることを認める。 | I hereby acknowledge that any willful false statement<br>made in this declaration is punishable under 18 U.S.C.<br>1001 by fine or imprisonment of not more than five (5)<br>years, or both.              |
|  | STATEMENT OF ACCURATE TRANSLATION IN<br>ACCORDANCE WITH 37 CFR 1.69(b):   |
|  | The Declaration and Assignment for Patent and Design<br>Applications is an accurate translation of the corresponding<br>English language Declaration and Assignment for Patent<br>and Design Applications |
|  | Signature:  |
|  | Date: <u>11/15/2012</u>   |

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application is combined herewith.

STUDEBAKER BRACKETT PC

[X] said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on, \_\_\_\_\_\_\_ authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u>, to insert here in parentheses (Application Serial No.\_\_\_\_\_\_) the application serial number of said application when known;

AND WHEREAS <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3</u>, <u>Marunouchi 2-chome</u>, <u>Chivoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof,

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, relissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

| 1 | 帝明者氏名/ Legal Name of Inventor        | *****               |
|---|--------------------------------------|---------------------|
|   | 9891-6 1045/ Legal Maine of Inventor | Yasuhiro ENDO       |
|   | · ·                                  | i abutino Livo v    |
|   | 発明者の署名/ Signature naturion Ene       | ケ B付/Date 1/14/2015 |
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## COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

| Title of Invention:   |   |
|---|---|
| CONTROLLERS FOR SERVOMOTORS   |   |
| 私は、以下に記名された発明者として、ここに下記<br>の通り宣言する:   | As a below named inventor, I hereby declare that:   |
| 本宣言書は、以下の出願に対するものである:   | This declaration is directed to:  |
| <ul> <li>□ 添付された出類、あるいは、</li> <li>□ 米国出願番号またはPCT国際出願番号は、</li> <li>であり、且つ</li> <li>の日に出願された出願(該当する場合)</li> </ul> | The attached application, or<br>United States application or PCT international<br>application number  |
| 単 > (2) 含合 日 /  |   |
| 上記出願書(明細畫及び図面)は、私が作成したもの<br>か、あるいは私がその作成を許可したものである。   | The above-identified application was made or<br>authorized to be made by me.  |
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|   | Signature:  |
|   | Date: <u>11/15/2012</u>   |

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

The inventor declaration for said application is combined herewith.

STUDEBAKE BRACKETT P

[X] said application to be filed in the United States Patent and Trademark Office;

[ ] said application having been filed in the United States Patent and Trademark Office on, \_\_\_\_\_\_\_ authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> <u>CUSTOMER NUMBER 78198</u>, to insert here in parentheses (Application Serial No.\_\_\_\_\_\_) the application serial number of said application when known;

[ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_\_ Serial No. \_\_\_\_\_\_, the United States of America being designated.

AND WHEREAS <u>MITSUBISHI ELECTRIC CORPORATION</u> of <u>7-3</u>, <u>Marunouchi 2-chome</u>. <u>Chivoda-ku</u>, <u>Tokyo 100-8310 JAPAN</u>, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, relissues and prolongations thereof;

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assignee, and said assignee's successors and assignee, and said assignee's nor appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assignee, and said assignee's successors and assignee, and said assignee's norther as the said assignee, and said assignee's successors and assignee, and said assignee's successors and assignee, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

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This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

| 発明者氏名/ Legal Name of Inventor | 17 - TOURADACTO              |
|-------------------------------|------------------------------|
|                               | Kentarou TSUKAMOTO           |
| 発明者の署名/ Signature             | Taltanoro BHJ Date 1/15/2015 |

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**RECORDED: 11/07/2016**