504493540 08/08/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4540242

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| KAZUMA SUZUKI | 12/08/2015 |
| YASUNORI TSUBOI | 12/04/2015 |
| KOJI HASEGAWA | 12/10/2015 |
| SUTEMARO KATO | 12/09/2015 |

RECEIVING PARTY DATA

| Name: | JTEKT CORPORATION |
|-----------------|-----------------------------------|
| Street Address: | 5-8, MINAMISEMBA 3-CHOME, CHUO-KU |
| City: | OSAKA-SHI, OSAKA |
| State/Country: | JAPAN |
| Postal Code: | 542-8502 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 29553678 |

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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.

using a tax number, it provided; it that is unsuccessful, it will be s

Phone: (703) 413-3000
Email: JYKim@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 463309US |
|-------------------------|----------------|
| NAME OF SUBMITTER: | JUNG-YON KIM |
| SIGNATURE: | /Jung-Yon Kim/ |
| DATE SIGNED: | 08/08/2017 |

Total Attachments: 4

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PATENT 504493540 REEL: 043229 FRAME: 0518

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| Title of Invention | PROGRAMMABLE CONTROLLER | |
|---|--|---|
| | The state of the s | |
| | ed inventor, I hereby declare that: | |
| This declaration \(\subseteq \) | | |
| is directed to: | United States application or PCT internationa filed on | • |
| The above-identific | ied application was made or authorized to be made | de by me. |
| I believe that I am | the original inventor or an original joint inventor | r of a claimed invention in the application. |
| (hereinafter referre Osaka-shi, Osaka and in and to any in any and all fore | 542-8502 Japan, is desirous of acquiring the en Letters Patent that may be granted therefore in taging countries; | ness at: 5-8, Minamisemba 3-Chome, Chuo-ku, tire right, title and interest in and to said invention the United States and its territorial possessions and |
| NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | | |
| any and all foreig assignee of my er (his) successors a entirely as the san | gn countries to issue any and all of said Letters ntire right, title and interest in and to the same, I and assigns, to the full end of the term for whic me would have been held by me had this Assign | he United States and its territorial possessions and some party of the sole use and behoof of said ASSIGNEE, its shall Letters Patent may be granted, as fully and ment and sale not been made. |
| Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | |
| I hereby ackno | owledge that any willful false statement made in onment of not more than five (5) years, or both. | this declaration is punishable under 18 U.S.C. 1001 |
| LEGAL NAME | OF INVENTOR | |
| Inventor: Kazu | | Date: December 8,2015 |
| Signature: | azuma Luzuki | |

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

| Title of PROGRAMMABLE CONTROLLER Invention | | |
|---|--|--|
| Invention | | |
| As the below named inventor, I hereby declare that: | | |
| This declaration 🔀 The attached application, or | | |
| is directed to: United States application or PCT international application number filed on | | |
| The above-identified application was 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. | | |
| WHEREAS, JTEKT CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at: 5-8, Minamisemba 3-Chome, Chuo-ku, Osaka-shi, Osaka 542-8502 Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; | | |
| NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | | |
| I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | | |
| Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | |
| I 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 | | |
| Inventor: Yasunori TSUBOI Date: December 4, 2015 | | |
| Signature: Yazuneri Tsuboi | | |

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1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PROGRAMMABLE CONTROLLER

Title of

| Invention | • | |
|--|---|--|
| As the below named inv | ventor, I hereby declare that: | |
| This declaration 🛛 Th | he attached application, or | |
| | nited States application or PCT international application numberled on | |
| The above-identified ap | oplication was made or authorized to be made by me. | |
| I believe that I am the o | original inventor or an original joint inventor of a claimed invention in the application. | |
| Osaka-shi, Osaka 542-8 | as "ASSIGNEE") having places of business at: <u>5-8, Minamisemba 3-Chome, Chuo-ku, 8502 Japan</u> , is desirous of acquiring the entire right, title and interest in and to said invention are Patent that may be granted therefore in the United States and its territorial possessions and | |
| acknowledged, and for said ASSIGNEE, the fu and in all foreign count other relevant Internation interest in and to any a | tE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby other good and valuable consideration, I, by these presents do sell, assign and transfer unto ull and exclusive right to the said invention in the United States and its territorial possessions tries (including the right to claim priority under the terms of the International Convention and onal Treaties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial by and all foreign countries and in and to any and all divisions, reissues, continuations, wals thereof. | |
| any and all foreign cou assignee of my entire ri (his) successors and ass | and request the Patent Office Officials in the United States and its territorial possessions and untries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its signs, to the full end of the term for which said Letters Patent may be granted, as fully and buld have been held by me had this Assignment and sale not been made. | |
| Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | |
| | ge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 at of not more than five (5) years, or both. | |
| LEGAL NAME OF IN | • | |
| Inventor: Koji HASE | BGAWA Date: December 10, 2015 | |
| Signature: Koji | Hazegawa | |

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ALEXANDRIA, VIRGINIA 22314

| Invention | PROGRAMMABLE CONTROLLER | | | |
|---|--|---|--|--|
| As the below name | ed inventor, I hereby declare that: | | | |
| This declaration 🗵 | The attached application, or | | | |
| | s directed to: United States application or PCT international application number filed on | | | |
| The above-identifie | ed application was made or authorized to be made by m | ie. | | |
| I believe that I am t | the original inventor or an original joint inventor of a c | laimed invention in the application. | | |
| (hereinafter referre Osaka-shi, Osaka 5 | EKT CORPORATION ed to as "ASSIGNEE") having places of business at 542-8502 Japan, is desirous of acquiring the entire rigil Letters Patent that may be granted therefore in the Unitign countries; | nt, title and interest in and to said invention | | |
| NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. | | | | |
| I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. | | | | |
| Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. | | | | |
| I 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 | | | | |
| Inventor: Sutema | aro KATO | Date: December 9, 2015 | | |
| Signature: | Sistemara Marto | , | | |

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PATENT REEL: 043229 FRAME: 0523

RECORDED: 08/08/2017