503383158 07/08/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3429780

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|-----------------------|
| TAKAHIRO TANAKA | 05/15/2015 |

RECEIVING PARTY DATA

| Name: | FANUC CORPORATION | |
|-------------------|-----------------------------|--|
| Street Address: | 3580, SHIBOKUSA AZA-KOMANBA | |
| Internal Address: | OSHINO-MURA | |
| City: | MINAMITSURU-GUN, YAMANASHI | |
| State/Country: | JAPAN | |
| Postal Code: | 401-0597 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14794140 |

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | 4639-430 |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | BENJAMIN J. HAUPTMAN |
| SIGNATURE: | /Benjamin J. Hauptman/ |
| DATE SIGNED: | 07/08/2015 |

Total Attachments: 1

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PATENT 503383158 REEL: 036024 FRAME: 0849

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

| Insert | FANUC CORPORATION | | | | | |
|---------------------------------------|---|--|--|--|--|--|
| ASSIGNEE's Name(s) Address(cs)) | 3580, Shibokusa Aza-Komanba, Oshino-mura, Minamitsuru-gun, Yamanashi 401-0597, | | | | | |
| | Japan | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | (hereinafter "ASSIGNEE"), the receipt of transfers to ASSIGNEE the entire and ex | which is hereby acknowledged, th clusive right, title and interest to | e undersigned ASSIGNOR hereby sells, the invention entitled | assigns and | | |
| Title of invention) | CONTROL SYSTEM IN | CLUDING CONTROL | APPARATUS FOR | | | |
| | CONTROLLING MACHI | NE HAVING A PLU | RALITY OF AXES | | | |
| | relating to International Patent Applicati of the United States was executed on eve | on PCT/JP/ n date herewith or, if not so execu | _and/or for which application for L uted, was: | etters Patent | | |
| Insert date | (a) executed on | : Assignee's attorney is | hereby authorized to insert in (b) the spec | ified | | |
| of application, if not | (b) filed on/ | data, when known. | | | | |
| concurrent) | | - L | | | | |
| | and to said application and all Letters Parenewal, substitute, reissue or reexamin Patent(s) may be granted and including a Patent(s)]. | ation application based thereon, f | or the full term or terms for which the s | said Letters | | |
| | ASSIGNEE, to do all acts which the ASSI enforcing protection for said invention, is said Letters Patent(s), in any interference proceeding which may arise or be declar including separate assignments and deci | GNEE may deem necessary, desinctuding in the preparation and per reissue, recommination, or public in relation to same, such acts to | resecution of said application(s) and the ic use proceeding, and in any litigation of to include but not be limited to executing | ining and e issuance of or other legal ng all papers, | | |
| | producing evidence. | indersianed inventoris) has flave | affixed his/her/their signature(s). | | | |
| | " Takahiro Tanaka | • ,, , | • | | | |
| (Signatures) | 1) (SIGNATURE) | (TYPE NAME) | May 15, 2015 (DATE) | | | |
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| | 2)(SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | 3) | | (DATE) | | | |
| | (SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | 4)(SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | 5) | | | | | |
| | (SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | 6)(SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | _ | - | | | | |
| | 7)(SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | 8)(SIGNATURE) | (TYPE NAME) | (DATE) | | | |
| | (DIGNATURE) | (Tire name) | mirel | | | |

PATENT REEL: 036024 FRAME: 0850

RECORDED: 07/08/2015