505438980 04/22/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5485781

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| TOSHIHIRO WATANABE | 06/26/2018 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16105168 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | AIWA-221US |
|-------------------------|----------------------|
| NAME OF SUBMITTER: | ROBERT A. ESPOSITO |
| SIGNATURE: | /Robert A. Esposito/ |
| DATE SIGNED: | 04/22/2019 |

Total Attachments: 1

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PATENT REEL: 048957 FRAME: 0536 14144

Docket No.: AIWA-221US

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1) Toshihiro WATANABE

| 3) | |
|--|---|
| | |
| who has made a certain new and useful invention, hereby sells, assigns and transfers unto | |
| FANUC Corporation | |
| having a place of business at 3580, Shibokusa Aza-Komanba, Oshino-mura, Minamitsuru-gun, | |
| Yamanashi, 401-0597 Japan | |
| its successors and assigns (heroinafter designated "ASSIGNEE") the entire right, title and interest for the United States of Ame as defined in 35 U.S.C. 100 in the invention entitled | erica |
| NUMERICAL CONTROLLER | |
| | |
| (a) for which an application for United States Letters Patent was filed on August 20, 2018 | and |
| identified by United States Patent Application No. 16/105,168 : or | |
| (b) for which an application for United States Letters Patent was executed on June 26, 2018 | |
| and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuation continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Indus Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned state at the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE; AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in ma application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in an the invention hereby transferred. | s, or strial gned king, said and said |
| SIGNED on the date indicated aside my signature: | |
| 1) To ski kiro WATANABE June 26, 2018 Name: Toshihiro WATANABE Date: | |
| 2) | |
| Name: Date: | |
| 3) | |
| Name: Date: | |

PATENT REEL: 048957 FRAME: 0537

RECORDED: 04/22/2019