504750250 01/28/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4796978

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ADDRESS OF ASSIGNEE previously recorded on Reel 044693 Frame 0653. Assignor(s) hereby confirms the ADDRESS OF ASSIGNEE IS 3580, SHIBOKUSA AZA-KOMANBA, OSHINO-MURA, MINAMITSURU-GUN, YAMANASHI, 401-0597 JAPAN. |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| KOUHEI KURIBARA | 11/20/2017 |
| KENJI SHIMIZU | 11/20/2017 |
| KAZUO SATOU | 11/20/2017 |
| HIDEAKI MAEDA | 11/20/2017 |

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: | 15876764 |

CORRESPONDENCE DATA

Fax Number: (703)518-5499

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.

Phone: 703-684-1111

Email: bjhgroup@ipfirm.com
Correspondent Name: HAUPTMAN HAM, LLP
Address Line 1: 2318 MILL ROAD

Address Line 2: SUITE 1400

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 4952-556 |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | BENJAMIN J. HAUPTMAN |
| SIGNATURE: | /Benjamin J. Hauptman/ |

PATENT 504750250 REEL: 045171 FRAME: 0357

| DATE SIGNED: | 01/28/2018 | |
|--|------------|--|
| Total Attachments: 3 | | |
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PATENT REEL: 045171 FRAME: 0358



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| | NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| KOUHEI KURIBARA | 11/20/2017 |
| KENJI SHIMIZU | 11/20/2017 |
| KAZUO SATOU | 11/20/2017 |
| HIDEAKI MAEDA | 11/20/2017 |

RECEIVING PARTY DATA

| Name: | FANUC CORPORATION |
|-------------------|-------------------|
| Street Address: | 2318 MILL ROAD |
| Internal Address: | SUITE 1400 |
| City: | ALEXANDRIA |
| State/Country: | VIRGINIA |
| Postal Code: | 22314 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15876764 |

CORRESPONDENCE DATA

Fax Number: (703)518-5499 Phone: 703-684-1111 bjhgroup@ipfirm.com Email:

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. HAUPTMAN HAM, LLP Correspondent Name: Address Line 1: 2318 MILL ROAD Address Line 2: SUITE 1400

ALEXANDRIA, VIRGINIA 22314 Address Line 4:

| §I | |
|---|------------------------|
| ATTORNEY DOCKET NUMBER: | 4952-556 |
| NAME OF SUBMITTER: | BENJAMIN J. HAUPTMAN |
| Signature: | /Benjamin J. Hauptman/ |
| Date: | 01/22/2018 |
| Total Attachments: 1 source=F-Assignment#page1.tif | |

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Docket No.:

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) Kouhei KURIBARA
- Hideaki MAEDA
- 2) Kenji SHIMIZU
- 3) Kazno SATOU

who has made a certain new and useful invention, hereby selle, assigns and transfers unto

| FANI | 21 ² 1210.0 | ation |
|---------|------------------------|-------|
| and the | 2.2. X. X. | **** |

| MHO III | to mune a cerium new and nation misconiciti, nelecti | , sens' wesikus men nanglala num |
|--|--|--|
| FANUC Corporation | | |
| having | a place of business at 3580, Shibokusa Aza- | Komanba, Oshino-mura, Minamitsaru-gun, |
| | nashi, 401-0597 Japan | |
| its succ as defic | cessors and assigns (hereinafter designated "ASSIO ned in 35 U.S.C. 100 in the invention entitled | NEE") the entire right, title and interest for the United States of America |
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| | identified by United States Patent Application No | `; or |
| (ь) | for which an application for United States Letters Patent was executed on | |
| igrees t ipplica ASSIG ipplical | that the attorneys of record in said application shall AND the undersigned hereby agrees to transftion for and obtaining original, divisional, reissued NEE, its successors, assigns and legal representations for patent based thereon, growing out of or | INEE, its successors, assigns and logal representatives; the undersigned hereafter act on behalf of said ASSIGNEE; for a like interest, and to render all necessary assistance in making or extended Letters Patent of the United States, upon request of the said yes, and without further remuneration, in and to any improvements, and related to the said invention; and to execute any papers by the said yes, deemed essential to ASSIGNEE's full protection and title in and to |
| SIONE | D on the date indicated aside my signature: | |
|) | Kohei Kuribara | November 20, 2017 |
| Name | | Date: |
| 2) | Kenji Shimizu | November 20, 2017 |
| Name | x Kenji SHIMIZU | Data: |
| ń | Kazvo Satou | November 20, 2017 |
| Name | | Date: |
| i) | Hideoki Maeda | November 20, 2017 |
| Name | : Hideski MAEDA | Date: |

PATENT REEL: 045171 FRAME: 0361

RECORDED: 01/28/2018