

PATENT ASSIGNMENT COVER SHEET

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|---|------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MAMORU KUBO | 09/27/2017 |
| TOSHINORI MATSUKAWA | 09/27/2017 |
| KOUICHI MURATA | 09/27/2017 |
| 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: | 15839251 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | BENJAMIN J HAUPTMAN |
| SIGNATURE: | /Benjamin J. Hauptman/ |
| DATE SIGNED: | 12/13/2017 |
| Total Attachments: 1 | |
| source=Assignment#page1.tif | |

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) Mamoru KUBO
- 2) Toshinori MATSUKAWA
- 3) Kouichi MURATA

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 (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

NUMERICAL CONTROLLER AND MACHINE LEARNING DEVICE

- (a) for which an application for United States Letters Patent was filed on _____ and identified by United States Patent Application No. _____; or
- (b) for which an application for United States Letters Patent was executed on _____

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that 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 making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Mamoru Kubo
Name: Mamoru KUBO

September 27, 2017
Date:

2) Toshinori Matsukawa
Name: Toshinori MATSUKAWA

September 27, 2017
Date:

3) Kouichi Murata
Name: Kouichi MURATA

September 27, 2017
Date: