

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6080935

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKASHI YAMAZAKI	07/12/2016
TAKUMI OYAMA	07/12/2016
SHUN SUYAMA	07/12/2016
KAZUTAKA NAKAYAMA	07/12/2016
HIDETOSHI KUMIYA	07/12/2016
HIROSHI NAKAGAWA	07/12/2016
DAISUKE OKANOHARA	07/12/2016
RYOSUKE OKUTA	07/12/2016
EIICHI MATSUMOTO	07/12/2016
KEIGO KAWAAI	07/12/2016

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
Name:	PREFERRED NETWORKS, INC.
Street Address:	1-6-1, OTEMACHI, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-0004

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16860071

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.

PATENT

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Correspondent Name: BENJAMIN J. HAUPTMAN
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Address Line 2: SUITE 1400
Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	4639-544A
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NAME OF SUBMITTER:	BENJAMIN J. HAUPTMAN
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SIGNATURE:	/Benjamin J. Hauptman/
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DATE SIGNED:	04/28/2020
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Total Attachments: 4

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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
ASSIGNEE's
Name(s)
Address(es))

FANUC CORPORATION

3580, Shibokusa Aza-Komanba, Oshino-mura, Minamitsuru-gun,

Yamanashi 401-0597, Japan

Preferred Networks, Inc.

1-6-1, Otemachi, Chiyoda-ku, Tokyo, 100-0004 Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

MACHINE LEARNING DEVICE, ROBOT SYSTEM, AND MACHINE

LEARNING METHOD FOR LEARNING WORKPIECE PICKING OPERATION

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____;

(b) filed on _____;

Serial No. _____/_____;

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) <u>Takashi Yamazaki</u> (SIGNATURE)	Takashi Yamazaki (TYPE NAME)	July 12, 2016 (DATE)
2) <u>Takumi Oyama</u> (SIGNATURE)	Takumi Oyama (TYPE NAME)	July 12, 2016 (DATE)
3) <u>Shun Suyama</u> (SIGNATURE)	Shun Suyama (TYPE NAME)	July 12, 2016 (DATE)
4) <u>Kazutaka Nakayama</u> (SIGNATURE)	Kazutaka Nakayama (TYPE NAME)	July 12, 2016 (DATE)
5) <u>Hidetoshi Kumiya</u> (SIGNATURE)	Hidetoshi Kumiya (TYPE NAME)	July 12, 2016 (DATE)
6) <u>Hiroshi Nakagawa</u> (SIGNATURE)	Hiroshi Nakagawa (TYPE NAME)	July 12, 2016 (DATE)
7) _____ (SIGNATURE)	Daisuke Okanohara (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	Ryosuke Okuta (TYPE NAME)	_____ (DATE)

PATENT

REEL: 052509 FRAME: 0556

9)	_____	Eiichi Matsumoto	_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
10)	_____	Keigo Kawaai	_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
11)	_____		_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
12)	_____		_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
13)	_____		_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
14)	_____		_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
15)	_____		_____
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16)	_____		_____
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18)	_____		_____
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19)	_____		_____
	(SIGNATURE)	(TYPE NAME)	(DATE)
20)	_____		_____
	(SIGNATURE)	(TYPE NAME)	(DATE)

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and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

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6) _____ (SIGNATURE)	Hiroshi Nakagawa _____ (TYPE NAME)	_____ (DATE)
7) <u>Daisuke Okanohara</u> (SIGNATURE)	Daisuke Okanohara _____ (TYPE NAME)	<u>July 12, 2016</u> (DATE)
8) <u>Ryosuke Okura</u> (SIGNATURE)	Ryosuke Okura _____ (TYPE NAME)	<u>July 12, 2016</u> (DATE)

PATENT

REEL: 052509 FRAME: 0558

9)	<u>Eiichi Matsumoto</u> (SIGNATURE)	<u>Eiichi Matsumoto</u> (TYPE NAME)	<u>July 12, 2016</u> (DATE)
10)	<u>Keigo Kawani</u> (SIGNATURE)	<u>Keigo Kawaai</u> (TYPE NAME)	<u>July 12, 2016</u> (DATE)
11)	<u> </u> (SIGNATURE)	<u> </u> (TYPE NAME)	<u> </u> (DATE)
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