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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOBUHIRO CHIHARA	02/13/2020
TAKAOMI NISHIGAITO	02/14/2020
NOBUTAKA KIMURA	02/13/2020
TAIKI YANO	02/13/2020
FUMIKO BENIYAMA	02/13/2020

RECEIVING PARTY DATA

Name:	HITACHI, LTD.
Street Address:	6-6, MARUNOUCHI 1-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16851647

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	04/20/2020

Total Attachments: 2

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PATENT REEL: 052437 FRAME: 0899 506021526

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd. a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said. Hitachi, Ltd.

its successor and assigns, all my right, title and interest, in and for the United States of America, in and to

ARTICLE RECOGNITION SYSTEM AND ARTICLE RECOGNITION METHOD

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said. Hitachi, Ltd.

its successor, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)

	(発明者フルネームサイン)	(署名日)
1)	nobuhiro Chihara Nobuhiro CHIHARA	2/13/2020
2)	Takaomi NISHIGAITO	2/14/2020
3)	Nobutaka KIMURA	· ·
4)	Taiki YANO_	· .
5)	Fumiko BENIYAMA	

PATENT REEL: 052437 FRAME: 0900

Date Signed

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd. a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd. its successor and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said. Hitachi, Ltd.

its successor, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)

1)_	Nobuhiro CHIHARA	·····
2)_	Takaomi NISHIGAITO	· · · · · · · · · · · · · · · · · · ·
3)_	Nobutaka Kimura Nobutaka KIMURA	02/13/2020
4) _	Taiki Yano Taiki YANO	02/13/2020
5)	Fumiko Beniyama Fumiko BENIYAMA	02/13/2020

PATENT REEL: 052437 FRAME: 0901

Date Signed

(署名日)

RECORDED: 04/20/2020