504191792 01/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAHIKO KATO	11/29/2016
KOUSUKE KUWABARA	11/28/2016
TADASHI FUJIEDA	11/28/2016
KINYA AOTA	11/28/2016
ISAMU TAKAHASHI	12/06/2016
KENJI YAMAGA	11/29/2016
HIROYUKI SATAKE	11/30/2016
HAJIME MURAKAMI	11/29/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15327974

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NAME OF SUBMITTER:	GERALD B. HALT, JR.	
SIGNATURE:	/Gerald B. Halt, Jr./	

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DATE SIGNED: 01/23/2017

Total Attachments: 1
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PATENT REEL: 041051 FRAME: 0194

ASSIGNMENT (藤渡証)

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 by Hitachi, Etd.,

a corporation organized under the laws of Japan,

located at 6-6, Manunouchi 1-chome, Chiyoda-ku, Tokyo, Japan

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

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

ALLOY STRUCTURE AND METHOD FOR PRODUCING ALLOY STRUCTURE

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 successors, 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:

RECORDED: 01/23/2017

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)	
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4) Klnya Aota Kinya AOTA	Nov. 28, 2016	
5) 2 1 Learnu TAKAHASHI	Dec. 6. 2016	
6) Keriji Jamo Ja Kenji YAMAGA	Movs9, 2016	
7) <u>Hirozuki Satake</u> HHOYUKI SATAKE	Nov30, 2016	
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PATENT REEL: 041051 FRAME: 0195