## 505528792 06/17/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5575598

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
IATURE OF CONVEYA	NCE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
SHUGO TAKAKI			05/22/2019		
YOSHINORI KURIOKA		05/22/2019			
YASUHARU MATSUMC	05/22/2019				
EIJI TAKAHASHI	05/22/2019				
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PROPERTY NUMBERS Total: 1 Property Type		Number			
Application Number:		16443193			
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SIGNATURE: DATE SIGNED:		06/17/2019			

## ASSIGNMENT

For value received, we, Shugo TAKAKI, Yoshinori KURIOKA and Yasuharu MATSUMOTO, residing at c/o Takasago Works in Kobe Steel, Ltd., 3-1, Shinhama 2-chome, Arai-cho, Takasago-shi, Hyogo 676-8670 Japan, and

Eiji TAKAHASHI and Kaname ARAKI, residing at c/o Kobe Corporate Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsukadai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-2271 Japan,

hereby sell, assign, and transfer to

KABUSHIKI KAISHA KOBE SEIKO SHO (Kobe Steel, Ltd.), a corporation existing under the laws of Japan, located at 2-4, Wakinohama-Kaigandori 2-chome, Chuo-ku, Kobe-shi, Hyogo 651-8585 Japan,

and its successors, assigns, and legal representatives, the entire right, title, and interest for all countries including the United States of America, in and to certain inventions relating to

ABNORMALITY TREATMENT APPARATUS FOR ROTATING MACHINE, AND ROTATING MACHINE SYSTEM

described in an application for Letters Patent of the United States,

[X] having an oath or declaration by me/us executed on even date herewith;

[ ] bearing Serial No.\_\_\_\_\_\_\_ and filed on \_\_\_\_\_\_\_, and all patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said Company as assignee of the entire interest, and covenant that I/We have full right so to do, and agree that I/we will communicate to said Company or its representatives any facts known to me/us respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

The Assignor(s) hereby authorizes and requests the attorneys of **STUDEBAKER & BRACKETT PC (CUSTOMER NUMBER 78198)**, Virginia, to insert in the spaces provided above the filing date, serial number, and attorney docket number of said application if not previously inserted.

## PATENT REEL: 049488 FRAME: 0761

Page 1 of 2

Signature	高大秀剧] Shugo TAKAKI	Date _	May 22, 2019
Signature	栗岡義紀 Yoshinori KURIOKA	Date _	May 22, 2019
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Signature	高橋 兵二 Еіјі Таканазні	Date	May 22, 2019
Signature	荒太 県 Kaname ARAKI	Date	May 22, 2019

PATENT REEL: 049488 FRAME: 0762