01/17/2019 505282765

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5329539

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAISUKE TAKAGI	12/03/2018
TOMOKI IWANAGA	12/03/2018
KAZUO SAITO	11/29/2018
TOSHIKAZU TAURA	11/29/2018

RECEIVING PARTY DATA

Name:	BANDO CHEMICAL INDUSTRIES, LTD.
Street Address:	6-6, MINATOJIMA-MINAMIMACHI 4-CHOME, CHUO-KU, KOBE-SHI,
City:	HYOGO
State/Country:	JAPAN
Postal Code:	6500047

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16088083

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ATTORNEY DOCKET NUMBER:	68138-US-1237-PCT
NAME OF SUBMITTER:	BELINDA LEE
SIGNATURE:	/Belinda Lee/
DATE SIGNED:	01/17/2019

Total Attachments: 2

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> **PATENT REEL: 048039 FRAME: 0098** 505282765

ASSIGNMENT

WHEREAS,

Daisuke TAKAGI

2. Tomoki IWANAGA

Kazuo SAITO

4. Toshikazu TAURA

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: GRINDING MATERIAL

[x] Filed: September 25, 2018

Serial No. 16/088,083

[] Executed concurrently with the execution of this instrument

WHEREAS, BANDO CHEMICAL INDUSTRIES, LTD.

of 6-6, Minatojima-Minamimachi 4-chome, Chuo-ku, Kobe-shi, Hyogo, JAPAN

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

Signature: Toshikazu Taura

Fourth Joint Inventor: Toshikazu TAURA

RECORDED: 01/17/2019

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s)

indicated.	
Signature: Daiwhe Takagi First Joint Inventor: Daisuke TAKAGI	Date: 20/8. /2.3
Signature: Tomoki Twanaga Second Joint Inventor: Tomoki IWANAGA	Date: 2018.12.3
Signature: Kazuo Saita Third Joint Inventor: Kazuo SAITO	Date: 2018. 11.29

2018.11.29

Date: