

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MANABU KAWAKAMI	08/05/2016
YOSHIKATSU NISHIDA	08/04/2016
RECEIVING PARTY DATA	
Name:	YAMAKAWA SANGYO CO., LTD.
Street Address:	3-27, NISHINAGASUCHO 1-CHOME
City:	AMAGASUKI-SHI, HYOGO
State/Country:	JAPAN
Postal Code:	6600805
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15120600
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DATE SIGNED:	08/22/2016
Total Attachments: 2	
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ASSIGNMENT OF PATENT APPLICATION

(US rights only - all US rights assigned by inventors to a single assignee)

WHEREAS,

- 1) Manabu KAWAKAMI
- 2) Yoshikatsu NISHIDA

residing respectively at

- 1) c/o YAMAKAWA SANGYO CO., LTD., 3-27, Nishinagasucho 1-chome, Amagasaki-shi, Hyogo, JP 6600805
- 2) c/o YAMAKAWA SANGYO CO., LTD., 3-27, Nishinagasucho 1-chome, Amagasaki-shi, Hyogo, JP 6600805

(hereinafter referred to collectively as the "ASSIGNOR") have invented certain new and useful improvements in ALUMINA-BASED FILLING SAND FOR SLIDING NOZZLE,

for which an application for Patent

- ☐ was executed on even date herewith
- ☐ was executed on
- ☒ was filed on 24 March 2015, as PCT International Application No.: JP2015/001674.

And WHEREAS, **YAMAKAWA SANGYO CO., LTD.**

whose Post Office Address is 3-27, Nishinagasucho 1-chome, Amagasaki-shi, Hyogo, JAPAN 6600805 (hereinafter referred to as the "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S. dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further

lawful acts, deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

I hereby authorize and request any attorney of record in said Application or any attorney of Stites & Harbison, PLLC, Customer Nos. 881, 24350 or 32885, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

<u>NAME</u>	<u>SIGNATURE</u>	<u>DATE</u>
1) Manabu KAWAKAMI	<u>Manabu Kamakami</u>	<u>05 AUG 2016</u>
2) Yoshikatsu NISHIDA	<u>Yoshikatsu Nishida</u>	<u>04 AUG 2016</u>