10/11/2017 504589190

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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TOSHIO TAKAGI	08/29/2017
KATSUYUKI MURATA	08/22/2017

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15531510

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> **PATENT** REEL: 043838 FRAME: 0674

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DATE SIGNED:	10/11/2017
DATE CICNED.	10/11/2017
SIGNATURE:	/ALAN N. HERDA/
NAME OF SUBMITTER:	ALAN N. HERDA
ATTORNEY DOCKET NUMBER:	10287.168US01

Total Attachments: 2

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> PATENT REEL: 043838 FRAME: 0675

Assignment - PATENT DOCKET NUMBER: 10287.168US01

ASSIGNMENT

WHEREAS, we,

- (1) Katsumi KANEKO of Nagano, Japan,
- (2) Toshio TAKAGI of Fukuoka, Japan, and
- (3) Katsuyuki MURATA of Fukuoka, Japan,

have invented certain designs and improvements in:

METHOD FOR PRODUCING MOLDED FILTER BODY

for which we have executed a U.S. national phase patent application, U.S. Application No. 15/531,510, the 35 U.S.C. §371(c) date of which is May 30, 2017; and

WHEREAS, the following ASSIGNEES,

- (1) SHINSHU UNIVERSITY, a Japanese university having a principal address at 1-1, Asahi 3-chome, Matsumoto-shi, Nagano 390-8621, Japan, and
- (2) KOTOBUKI TSUSHOU CO., LTD., a Japanese corporation having a principal address at 4-1, Ishidaminami 2-chome, Kokuraminami-ku, Kitakyushu-shi, Fukuoka 802-0836, Japan,

are each desirous of obtaining certain rights and an undivided interest in, to and under said invention and said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said Assignees, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention, and said application, and all divisionals, renewals, substitutionals and continuing applications thereof, and all Letters Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patents which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner for Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said Assignees, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Assignees, its successors, legal representatives and assigns, any facts known to us respecting said inventions, and testify in any legal proceedings, sign all lawful papers, execute all divisionals, renewals, substitutionals, continuing applications and reissue applications, make all rightful declarations and/or oaths and generally

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do everything possible to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions in all countries. Date: August 22, 2017 Date: August 22, 2017 Witness Name: Yasushi SHIMIZU Inventor: Toshio TAKAGI Date: August 29. 2017

Toshio TAKAGI Yasushi Shinigu Date: August 29, 2017 Witness Name: Yasushi SHIMIZU Inventor: // Matsuyuki Murata Date: Angust 22,20/1 Yasushi Shimiza Date: August 22, 2017 Witness Name: Yasushi SHIMIZU

> PATENT REEL: 043838 FRAME: 0677

RECORDED: 10/11/2017

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