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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROSHI OTSUKI	12/09/2016
HIROMASA NISHIOKA	12/09/2016
KAZUHIRO ITO	12/09/2016
DAICHI IMAI	12/09/2016
YOSHIHISA TSUKAMOTO	12/09/2016
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15324394

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NAME OF SUBMITTER:	ANN DENIKOS	
SIGNATURE:	/Ann Denikos/	
DATE SIGNED:	01/06/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 041292 FRAME: 0745

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Total Attachments: 1

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PATENT REEL: 041292 FRAME: 0746

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration peid to the undersigned inventor(s) (hereinalter "ASSIGNOR") by

TOYOTA JIDOSHA KABUSHIKI KAISHA Insert ASSIONEE's 1, Toyotacho, Toyota-shi, Aichi 471-8571, Japan Name(s) Address(ca)) (hereinafter "ASSIONEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled METHOD OF MAKING A PARTICULATE FILTER CARRY A CATALYST (Title of Invention relating to International Patent Application PCT/JP 2015 / 002387 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was: (losert date Assignee's attorney is hereby authorized to insert in (b) the specified of execution data, when known. of application, (b) filed on if not concurrent) and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patential may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agreeis, when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for ead invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any itigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). Hiroshi Otsuki (Signatures) December 9, 2016 (TYPE NAME) Hiromasa Nishioka December 9, 2016 (TYPE NAME) December 9, 2016 Kazuhiro Ito (DATE) TYPE NAME Daichi Imai December 9, 2016 (TYPE NAME) Yoshihisa Tsukamoto December 9, 2016 (TYPE NAME) (DATE) Yasumasa Notake December (TYPE NAME)

(TYPE NAME)

(TYPE NAME)

PATENT

REEL: 041292 FRAME: 0747

(DATE)

(DATE)

RECORDED: 01/06/2017

(SIGNATURE)

(SIGNATURE)