PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7500585

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER E. HOLM	06/28/2018
PETER K. HERMAN	06/28/2018
ARUN P. JANAKIRAMAN	06/29/2018
GERARD MALGORN	07/02/2018
CHIRAG D. PARIKH	07/03/2018
ANTHONY BARRETEAU	06/26/2018
RONAN CORVEC	06/26/2018
KEN TOFSLAND	06/28/2018

RECEIVING PARTY DATA

Name:	CUMMINS FILTRATION IP, INC.
Street Address:	500 JACKSON STREET
City:	COLUMBUS
State/Country:	INDIANA
Postal Code:	47201

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16615036

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2022954168

Email: jwiggins@foley.com

Correspondent Name: MILAD S. EMAMIAN/FOLEY & LARDNER LLP

Address Line 1: 3000 K STREET, N.W.

Address Line 2: SUITE 600

Address Line 4: WASHINGTON, D.C. 20007

ATTORNEY DOCKET NUMBER:	106389-5730
NAME OF SUBMITTER:	MILAD S. EMAMIAN
SIGNATURE:	/Milad S. Emamian/

507453693 PATENT REEL: 060875 FRAME: 0095

DATE SIGNED:	08/23/2022
Total Attachments: 10	
source=106389-5730-Executed-Assignr	nent#page1.tif
source=106389-5730-Executed-Assignr	nent#page2.tif
source=106389-5730-Executed-Assignr	nent#page3.tif
source=106389-5730-Executed-Assignr	nent#page4.tif
source=106389-5730-Executed-Assignr	nent#page5.tif
source=106389-5730-Executed-Assignr	nent#page6.tif
source=106389-5730-Executed-Assignr	nent#page7.tif
source=106389-5730-Executed-Assignr	nent#page8.tif
source=106389-5730-Executed-Assignr	nent#page9.tif
source=106389-5730-Executed-Assignr	nent#page10.tif

PATENT REEL: 060875 FRAME: 0096

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

CUMMINS FILTRATION IP, INC. 500 Jackson Street Columbus, Indiana 47201

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

AXIAL FLOW CENTRIFUGAL SEPARATOR

as set forth in	n this PCT Patent Application	
check one	[] executed concurrently herewith,[] executed on	,
	[X] Serial No. PCT/US2018/038354	Filed 6/19/2018

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

Page 1 of 10

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this Z day of T	21/E, 20/B. CHRISTOPTIER E. HOLM
State of <u>WISCONSIM</u>) County of DANE	
0. 0128118 L	foreme, Jennifer NAUGHTIN
Date	Here insert Name and Title of the Officer (Notary Public)
who proved to me on the basis of to the within instrument and acknowledged	of Signer(s) satisfactory evidence to be the person(s) whose name(s) is/are subscribed to me that he/she/their executed the same in his/her/their authorized sture(s) on the instrument the person(s), or the entity upon behalf of which
I certify under PENALTY OF PE	RJURY that the foregoing paragraph is true and correct.
WITNESS my hand and official seal Signature Signature of Notary Public	
Place Notary Seal Above	JENNIFER NAUGHTIN Notary Public State of Wisconsin

Atty. Dkt. No. 106389-4970

Executed this 20 day of)	**************************************	, 20/8. PETER K. HERMAN
State of <u>UDISCONSIVY</u>) County of <u>DOINE</u>		
om 6/28/2018 .	before me,	Jennifer NAUGHTIN
Date		Here insert Name and Title of the Officer (Notary Public)
personally appeared <u>PETER K</u> Name(HERMAN s) of Signer(
to the within instrument and acknowledg	ed to me tha gnature(s) or	ry evidence to be the person(s) whose name(s) is/are subscribed at he/she/their executed the same in his/her/their authorized in the instrument the person(s), or the entity upon behalf of which
I certify under PENALTY OF I	ERJURY th	hat the foregoing paragraph is true and correct.
WITNESS my hand and official seal)	commission expires Jan 10,2027
Place Notary Seal Above		INIFER NAUGHTIN Notary Public tate of Wisconsin

Atty. Dkt. No. 106389-4970

Executed this 20 ¹⁴ day of JVNE	3- Jana Padeas Landers Arun P. Janakiraman
State of <u>WECONSIN</u>) County of <u>DENSE</u>	
On $\frac{5402,29,2018}{}$, before me,	Jennifer Nauguriu
Date	Here insert Name and Title of the Officer (Notary Public)
to the within instrument and acknowledged to me that	s) y evidence to be the person(s) whose name(s) is/are subscribed t he/she/their executed the same in his/her/their authorized
the person(s) acted, executed the instrument.	the instrument the person(s), or the entity upon behalf of which
I certify under PENALTY OF PERJURY th	at the foregoing paragraph is true and correct.
WITNESS my hand and official seal. Signature VV 10 1000 VV Signature of Notary Public VV	i commission expires January 10, 2027
Place Notary Scal Above	JENNIFER NAUGHTIN Notary Public State of Wisconsin

Executed this 02 day of July , 2018.

JERARD MALGORN

NAME AND SIGNATURE OF WITNESSES

NAME: Caroline le G SIGNATURE: ______ DATE: JULY 3, 2018

NAME: Arnaud le Ven SIGNATURE: DATE: July 3,2018

Atty. Dkt. No. 106389-4970

	c p lastel
	CHIRAG D. PARIKH
State of <u>WYSCOYYSY</u>) County of <u>TSAYX</u>	
On $\frac{3033308}{Date}$, before me,	Here insert Name and Title of the Officer (Notary Public)
personally appeared <u>CHIRAG D. PARIKI</u> Name(s) of Signer	
to the within instrument and acknowledged to me that	ary evidence to be the person(s) whose name(s) is/are subscribed at he/she/their executed the same in his/her/their authorized in the instrument the person(s), or the entity upon behalf of which
I certify under PENALTY OF PERJURY to	hat the foregoing paragraph is true and correct.
WITNESS my hand and official seal. Signature Signature of Notary Public	my commission expires Jan 10, 2022
Place Notary Scal Above	JENNIFER NAUGHTIN Notary Public State of Wisconsin

Executed this $\frac{3}{2}$ day of $\frac{3}{2}$ $\frac{3}{2}$, $\frac{3}{2}$

Executed this 26 day of JUNE, 2018.

ANTHONY BARRETEAU

NAME AND SIGNATURE OF WITNESSES

NAME: Caroline Le Consignature: _______ DATE: JUY 3, 2018

NAME: Around (o Ven SIGNATURE: DATE: July 3,2018

Executed this 16 day of June 2011.

RONAN CORVEC

NAME AND SIGNATURE OF WITNESSES

NAME: Condine le 60 SIGNATURE:

DATE: JULY 3, 2018

NAME: Arrand le Vois SIGNATURE:

__DATE: July 3,2018

Executed this <u>~2 {</u> day of <u>{ / { / { / { / { / { / { / { / { / { </u>	
KEN TOFSLAND	
State of NONSCONSON County of DANE	
Om 6/28/18 before me, 1000/FET NAME and Title of the Officer (Notary Public)	
personally appeared <u>KFN TOFSLAND</u> Name(s) of Signer(s)	
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/their executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.	
I certify under PENALTY OF PERJURY that the foregoing paragraph is true and correct.	
WITNESS my hand and official seal. Signature	
JENNIFER NAUGHTIN Notary Public	
Place Notary Seal Above State of Wisconsin	

RECORDED: 08/23/2022