505019506 07/25/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5066254

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEAN-CLAUDE CHRUPALLA	06/25/2018
GUILLAUME ESTACHY	06/25/2018

RECEIVING PARTY DATA

Name:	ALFA LAVAL CORPORATE AB
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State/Country:	SWEDEN
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State/Country:	FRANCE
Postal Code:	78990

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16061629	

CORRESPONDENCE DATA

Fax Number: (703)205-8050

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: 7032058000

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Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	6515-0175PUS1
NAME OF SUBMITTER:	TAN T. TU
SIGNATURE:	/Tan T. Tu/

PATENT 505019506 REEL: 046456 FRAME: 0009

DATE SIGNED: 07/24/2018

Total Attachments: 3
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PATENT REEL: 046456 FRAME: 0010 Application No.: 16061629 filed 06/12/2018

Attorney Docket No. 6515-0175PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS (MULTIPLE ASSIGNEES)

Title of Invention → FILTER ELEMENT AND FILTER COMPRISING AT LEAST TWO FILTER ELEMENTS As a below named inventor (hereinafter designated as the undersigned), I hereby declare that: This declaration is directed to the application attached hereto. Application not ⇒ If the application is not attached hereto, the application is as identified by the attorney docket number as Attached set forth above and/or the following: Enter Applin. No. United States Application Number or PCT International Applin. No. PCT/EP2017/051685 Enter Filing Date \Rightarrow filed on January 26, 2017 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understand the contents of the above-identified application, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56. WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified. ➡ WHEREAS, ALFA LAVAL CORPORATE AB; and ALFA LAVAL MOATTI SAS Insert Names of Assignees (hereinafter designated as Assignees) Insert Addresses 🦈 of P.O. Box 73, SE-221 00 Lund, Sweden; and La Clef Saint Pierre, 10 rue du Maréchal de Lattre de of Assignees Tassigny, 78990 Elancourt, France, respectively, their heirs, successors, legal representatives and assigns are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and Check Box if in any foreign countries. Appropriate NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) sell, assign

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terms for which the same may be granted

Page 1

and transfer unto said Assignees the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

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	in equal undivided amounts unless specific undivided amounts are listed below:
Ownership Interest	⇒ Assignee 1 (%); Assignee 2 (%).

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

LEGAL NAME OF INVENTOR

Inventor's Name	۵	Inventor:	Jean-Claude CHRUPALLA	Date: 2018/06/25
Inventor's Signature	е ⇔	Signature:	A DE	
			O/SB/14 or equivalent), including naming the entire inventor; or check the box below and complete the attacher	
Additiona	l in	ventors are b	peing named on the 1 supplemental sheet(s) attached here	to.

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Page 2

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SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

	LEGAL NAME OF JOINT INVENTOR, IF ANY	18 .
Inventor's Name:	⇒ Inventor: Guillaume ESTACHY	Date: 25th of June 2019
Inventor's Signature	⇒ Signature;	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inveutor's Name	⇒ Invenior:	Date:
Inventos's Signature	* Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
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Inventor's Signature	*Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
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Inventor's Signature	*Signature:	
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Inventor's Signature	⇔Signature:	
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Inventor's Signature		
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Page 3

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PATENT REEL: 046456 FRAME: 0013