PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5164724

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VESA HILAKARI	06/29/2018
JUHA KUJALA	06/29/2018
VILLE-VEIKKO MAKINEN	09/07/2018
KARI NIEMINEN	09/10/2018

RECEIVING PARTY DATA

Name:	WARTSILA FINLAND OY
Street Address:	TARHAAJANTIE 2
City:	VAASA
State/Country:	FINLAND
Postal Code:	FI-65380

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16066849

CORRESPONDENCE DATA

Fax Number: (703)836-2021

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: 7038366620

Email: david.avila@bipc.com

Correspondent Name: BUCHANAN INGERSOLL & ROONEY, PC

Address Line 1: 1737 KING STREET

SUITE 500 Address Line 2:

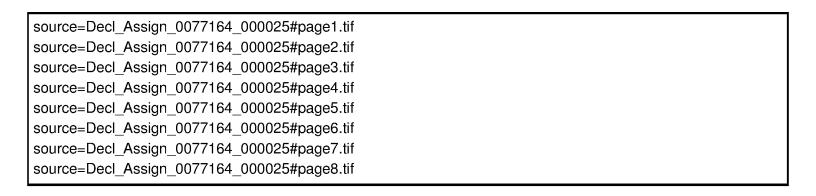
Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	0077164-000025
NAME OF SUBMITTER:	DAVID AVILA
SIGNATURE:	/David Avila/
DATE SIGNED:	09/28/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 8

PATENT REEL: 047008 FRAME: 0014

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Attorney Docket No. 0077164-000025
Client Reference No. P38119US00
Wärtsilä ref.: 2014-000994US
Application No. 16/066,849
Page 1 of 3

COMBINED DECLARATION AND ASSIGNMENT

(JOINT)

As one of the below named inventors,	I hereby	declare that this	Declaration is	directed to:
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(1)	U.S. application number or PCT international application number
	PCT/EP2015/081388 filed on 30 December 2015 (30.12.2015), entitled
	A METHOD OF CLEANING A CHARGE AIR COOLER AND AN INTERNAL
	COMBUSTION ENGINE; or

(2) the attached application entitled <u>A METHOD OF CLEANING A CHARGE AIR COOLER AND AN INTERNAL COMBUSTION ENGINE.</u>

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As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am 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 to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge 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.

ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, <u>WÄRTSILÄ FINLAND OY</u>, a corporation duly organized under and pursuant to the laws of <u>FINLAND</u> and having a principal place of business at <u>Tarhaajantie 2 FI-65380 Vaasa FINLAND</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

Page 1 of 3

Attorney Docket No. <u>0077164-000025</u>
Client Reference No. <u>P38119US00</u>
Wärtsilä ref.: <u>2014-000994US</u>
Application No. <u>16/066,849</u>
Page 2 of 3

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

23.6.2018	Vesa HILAKARI	Clebra Meller
Date	Name	Signature
	Juha KUJALA	
Date	Name	Signature
	Ville-Veikko MÄKINEN	
Da te	Name	Signature
	Kari NIEMINEN	
Date	Name	Signature

Page 2 of 3

Attorney Docket No. 0077164-000025
Client Reference No. P38119US00
Wärtsilä ref.: 2014-000994US
Application No. 16/066,849
Page 1 of 3

COMBINED DECLARATION AND ASSIGNMENT (JOINT)

As one of the below named inventors, I he	eby declare that this Declaration is directed to:
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- (1) U.S. application number or PCT international application number PCT/EP2015/081388 filed on 30 December 2015 (30,12,2015), entitled A METHOD OF CLEANING A CHARGE AIR COOLER AND AN INTERNAL COMBUSTION ENGINE; or
- (2) the attached application entitled <u>A METHOD OF CLEANING A CHARGE AIR COOLER AND AN INTERNAL COMBUSTION ENGINE.</u>

DECLARATION

As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

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I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge 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.

ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, <u>WÄRTSILÄ FINLAND OY</u>, a corporation duly organized under and pursuant to the laws of <u>FINLAND</u> and having a principal place of business at <u>Tarhaajantle 2 FI-65380 Vaasa FINLAND</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

Page 1 of 3

Attorney Docket No. 0077164-000025 Client Reference No. P38119US00 Wärtsilä ref.: 2014-000994US Application No. 16/066,849 Page 2 of 3

NOW, THEREFORE, for good and sufficient consideration, the recelpt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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	Vesa HILAKARI	
Date	Name	Signature
29 Jun 2018	Juha KUJALA	A design of the second
Date	Name	Signature
	Ville-Veikko MÄKINEN	1.170000
Date	Name	Signature
	Kari NIEMINEN	:
Date	Name	Signature

Page 2 of 3

Attorney Docket No. <u>0077164-000025</u> Client Reference No. <u>P38119US00</u> Wärtsilä ref.: <u>2014-000994US</u> Application No. <u>16/066,849</u> Page 1 of 3

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(JOINT)

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	Vesa HILAKARI	
Date	Name	Signature
	Juha KUJALA	
Date	Name	Signature
1/0/10		
t/7/18	Ville-Veikko MÄKINEN	
Date	Name	Signature
	Kari NIEMINEN	
Date		Cianata
Date	Name	Signature

Page 2 of 3

Attorney Docket No. 0077164-000025
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Wärtsilä ref.: 2014-000994US
Application No. 16/066,849
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	Vesa HILAKARI	
Date	Name	Signature
	Juha KUJALA	
Date	Name	Signature
	Ville-Veikko MÄKINEN	
Date	Name	Signature
9/10/2018	Kari NIEMINEN	Mulle
Date	Name	Signature

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RECORDED: 09/28/2018