PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JARI TOIVA	12/03/2018

RECEIVING PARTY DATA

Name:	ABB OY
Street Address:	STROMBERGINTIE 1
City:	HELSINKI
State/Country:	FINLAND
Postal Code:	00380

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16302823

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: 317-713-3500

Email: taft-ip-docket@taftlaw.com

Correspondent Name: TAFT STETTINIUS & HOLLISTER LLP

Address Line 1: 1 INDIANA SQUARE

Address Line 2: SUITE 3500

Address Line 4: INDIANAPOLIS, INDIANA 46204-2023

ATTORNEY DOCKET NUMBER:	OYAB-190
NAME OF SUBMITTER:	RHIANNON HOOVER
SIGNATURE:	/Rhiannon Hoover/
DATE SIGNED:	12/17/2018

Total Attachments: 3

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PATENT 505239530 REEL: 049020 FRAME: 0161

ASSIGNMENT OF PATENT RIGHTS

WHEREAS, the below named persons (hereinafter referred to as "Assignors") have made one or more new and useful inventions or discoveries in A METHOD AND A CONTROL ARRANGEMENT FOR CONTROLLING VIBRATIONS OF A PROPULSION UNIT OF A VESSEL (hereinafter collectively referred to as "the Invention") for which U.S. Application No. 16/302.823 was filed on November 19, 2018 and for which one or more other U.S., foreign or international patent applications has been filed, or may in the future be filed;

WHEREAS, ABB Oy (hereinafter referred to as "Assignee") a legal entity organized under the laws of Finland, desires to acquire the entire right, title and interest in to and under the Invention and any and all United States, foreign and international patent applications and patents which claim, disclose and/or describe the Invention; and

NOW, THEREFORE, for good, valuable and sufficient consideration to the Assignors, the receipt and sufficiency of which are hereby acknowledged, Assignors and Assignee agree as follows:

A. Assignment of Patent Rights

Assignors hereby assign and transfer to Assignee, its successors and assigns, the entire right, title, and interest in, to and under (i) the Invention, (ii) any and all United States, foreign and/or international patent applications which claim, disclose, or describe subject matter of the Invention including, without limitation, the application referenced herein above, (iii) any and all continuations, continuations-in-part, divisionals, foreign counterparts, reexaminations, reissues, extensions and applications claiming the benefit of or priority to any of the foregoing, (iv) any and all rights to claim priority to any of the foregoing, and (v) any and all rights to bring an action under, receive and collect damages for infringement of any of the foregoing, receive injunctive relief for infringement of any of foregoing (hereinafter collectively referred to as "the Assigned Patent Rights").

Assignors acknowledge and agree that the Assigned Patent Rights include any and all future applications not filed at the time of execution of this agreement which disclose, describe and/orclaim subject matter of the Invention, or which claim priority to or the benefit of an application or patent which discloses, describes and/or claims subject matter of the Invention. With respect to such future applications, Assignors hereby authorize Assignee, its attorneys, or its agents to append information identifying such applications as an Exhibit A to this document at the discretion of Assignee, its counsel, or its agents.

B. Agreement to Execute Additional Documents and Provide Further Assistance

Assignors agree to execute any and all other documents necessary or desirable to document, memorialize or perfect Assignee's interest in the Assigned Patent Rights and to execute any and all other documents and to provide any further assistance necessary or desirable for the procurement of patent rights on the above referenced invention in the United Sates and all foreign countries.

C. Binding Complete and Enforceable Agreement

Assignors acknowledge that (i) this is an enforceable agreement; (ii) this agreement embodies the entire and only understanding between Assignors and Assignee with respect to the subject matter of this agreement; (iii) no oral explanation or oral information by either party hereto shall alter the meaning or interpretation of this agreement; and (iv) if any provision of this agreement is held to be unlawful or unenforceable, such provision shall be limited or eliminated to the minimum extent necessary so that the remainder of this agreement will continue in full force and effect and be enforceable.

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D. Execution

This agreement may be executed in counterparts or duplicate originals, both of which shall be regarded as one and the same instrument, and which shall be the official and governing version in the interpretation of this agreement. This agreement may be executed by facsimile signatures or other electronic means and such signatures shall be deemed binding as if they were original signatures.

[Signature Pages Follow]

PATENT REEL: 049020 FRAME: 0163

Signed and executed this 3 day of December , 3018
Jari Toiva
Witnessed by:
Signature: Voli - Hater Early
Printed Name: Veli-HaHi Eerola
Date: 3, 12, 2018
Signature:
Printed Name: TONI BARTANEN
Date: 3-12.20)&

RECORDED: 12/17/2018

PATENT REEL: 049020 FRAME: 0164