

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3081224

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OLOF CALONIUS	09/26/2014
JUHA ELONEN	10/16/2014
HEIKKI ESKONEN	10/01/2014
JYRKI KAJASTE	09/30/2014
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	P.O. BOX 11000
<b>City:</b>	AALTO HELSINKI
<b>State/Country:</b>	FINLAND
<b>Postal Code:</b>	FI-00076
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14386493
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)755-2150
<i>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.</i>	
<b>Phone:</b>	919-755-2100
<b>Email:</b>	dgravius@wcsr.com
<b>Correspondent Name:</b>	ALISON S. MCGEARY
<b>Address Line 1:</b>	150 FAYETTEVILLE STREET, SUITE 2100
<b>Address Line 2:</b>	WOMBLE CARLYLE SANDRIDGE & RICE, LLP
<b>Address Line 4:</b>	RALEIGH, NORTH CAROLINA 27601
<b>ATTORNEY DOCKET NUMBER:</b>	A65657 1050US.PCT (0006.3)
<b>NAME OF SUBMITTER:</b>	ALISON S. MCGEARY
<b>SIGNATURE:</b>	/alison s. mcgeary/
<b>DATE SIGNED:</b>	10/27/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</b>	
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**COMBINED WORLDWIDE INVENTION ASSIGNMENT AND  
U.S. DECLARATION (37 CFR 1.63)**

WHEREAS, the undersigned (hereinafter collectively referred to as "Assignor") has or may have invented certain inventions and improvements disclosed in the United States patent application entitled "**ADAPTIVE HYDRAULIC PRESSURE GENERATOR**" and designated as

- entered United States National Phase on September 19, 2014 as United States Application No. 14/386,493. This U.S. National Phase Application is based on International Application No. PCT/FI2013/050315, filed on March 20, 2013, which claims priority to Finnish Patent Application 20125306, filed March 20, 2012. All applications listed above being hereinafter referred to as the "application(s)";

WHEREAS, it is agreed that

Aalto University Foundation  
P.O. Box 11000  
Aalto Helsinki, Finland FI-00076

(hereinafter referred to as "Assignee"), is entitled to or is desirous of acquiring all right, title and interest related to the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, by these presents, does sell, assign, and transfer unto Assignee the full, exclusive and entire right, title and interest, worldwide: (i) in and to all inventions and improvements disclosed and described in the Application(s); (ii) in and to said Application(s) and any other United States national stage, provisional, non-provisional, divisional, continuation, continuation-in-part, or design patent applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s) (the "U.S. Applications"); (iii) in and to any Patent Cooperation Treaty applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s); (iv) in and to any and all applications for industrial property protection, including without limitation applications for patent, utility model, inventor's certificate, and design, filed or which are hereafter filed in countries outside the United States (the "Foreign Applications") and which

describe in whole or in part said inventions and improvements, said Foreign Applications to be filed and issued in the name of Assignee or its designee insofar as permitted by applicable law; (v) in and to all patents or similar protective rights in the United States or elsewhere which may be granted on the U.S. Applications and Foreign Applications and all reissues, reexaminations, and extensions thereof, any and all such patents or other protective rights to issue in the name of Assignee and for the sole use and behoof of Assignee and its successors and assigns; and (vi) in and to the right to claim any applicable foreign or domestic priority rights arising from or required for any of the aforementioned applications under the terms of any applicable conventions, treaties, statutes, or regulations.

AND, for the same consideration, Assignor agrees to (i) communicate to Assignee, its successors, legal representatives, and assigns, any facts known to Assignor respecting said inventions and improvements or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions or improvements; (ii) sign or execute all lawful papers, applications, declarations, affidavits, assignments, and rightful oaths that may be requested by Assignee during prosecution or enforcement of any rights related to the inventions and improvements; (iii) testify in any proceedings relating to said inventions or improvements or rights granted therefor; and (iv) generally do everything possible to aid Assignee and its successors, legal representatives and assigns, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

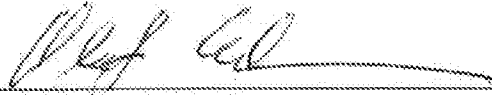
Assignor covenants with Assignee, its successors, legal representatives, and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned. Assignor further agrees that Assignee, its successors, legal representatives, and assigns, may insert into this Assignment any further text necessary or desirable to define the Applications to which the Assignment pertains for purposes of recordation, and also agrees that the Assignment is effective at least as early as March 20, 2012 the earliest priority date of the Application(s).

**U.S. DECLARATION:** Assignor intends for this Assignment to serve as a U.S. declaration under 37 CFR 1.63(e)(1). Accordingly, with respect to the U.S. Applications identified herein, each undersigned inventor hereby declares that: (1) the above-identified application was made or authorized to be made by me; (2) I believe that I am the original

inventor or an original joint inventor of a claimed invention in the application; and (3) 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.

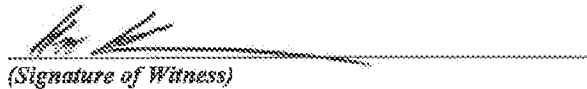
2014-09-26

Date



OLOF CALONIUS

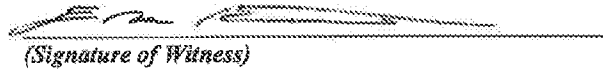
WITNESSES:



(Signature of Witness)

HEIKKI HÄNNINEN

(Typed Name of Witness)




(Signature of Witness)

ESA KOSTAMO

(Typed Name of Witness)

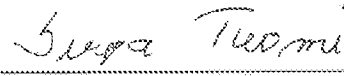
16. 10. 2014

Date



JUHAN ELONEN

WITNESSES:



Sirpa Tuomi

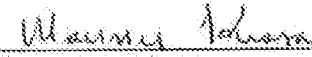


Toini Korjus

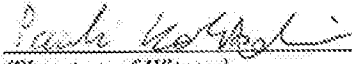
1.10.2014  
Date

  
HEIKKI ESKONEN

WITNESSES:

  
(Signature of Witness)

MAUNO KUOSA  
(Typed Name of Witness)


  
(Signature of Witness)

PAULI KORHONEN  
(Typed Name of Witness)

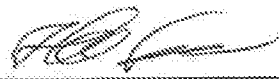
September 30, 2014  
Date

  
JYRKI KAJASTE

WITNESSES:

  
(Signature of Witness)

PASI KOSKELA  
(Typed Name of Witness)

  
(Signature of Witness)

Hanna Selmi  
(Typed Name of Witness)