# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4311197

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
AUVO KETTUNEN	02/17/2017
PASI HEINÄMÄKI	02/20/2017
KARI PELTONEN	02/17/2017
HANNU RÅMARK	02/17/2017

### **RECEIVING PARTY DATA**

Name:	ANDRITZ OY
Street Address:	TAMMASAARENKATU 1
City:	HELSINKI
State/Country:	FINLAND
Postal Code:	FI-00180

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15509959

## **CORRESPONDENCE DATA**

**Fax Number:** (703)816-4100

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.

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JHN-30-676	
JEFFRY H. NELSON	
/JEFFRY H. NELSON/	
03/09/2017	
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 4** 

PATENT REEL: 041526 FRAME: 0015 source=30-676\_Declaration\_Assignment\_#page1.tif
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PATENT REEL: 041526 FRAME: 0016 Doc code: Oath Document Description: Oath or declaration filed Attorney Docket Number JHN-30-676 First Named Inventor KETTUNEN, Auvo INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) HEATING OF HYDRAULIC DIGESTERS (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number filed, or PCT International application number PCT/FI2015/050592 filed on September 10, 2015. The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. 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. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, ANDRITZ OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Tammasaarenkatu 1, Helsinki, Finland FI-00180, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Inventor's Signature

Signature of witness:

Witnessed by: Name:

12.02.2017

Date:

Doc code: Oath Document Description: Oath or declaration filed JHN-30-676 Attorney Docket Number KETTUNEN, Auvo First Named Inventor INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) HEATING OF HYDRAULIC DIGESTERS (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number filed, or PCT International application number PCT/FI2015/050592 filed on September 10, 2015. The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. 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 (6) years, or both, WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, ANDRITZ OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Tammasaarenkatu 1, Helsinki, Finland FI-00180, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filling and granting of foreign applications and the perfecting of fittle thereto in ASSIGNEE, AGREED and executed as noted below: LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) HEINÄMÄKI

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1,56,

LeCourse son A

Inventor's Signature:

Signature of witness

Witnessed by Name. 20, 2, 2017

Date: 20, 2.20/7

Date:

Doc code: Oath

Signature of witness:

Document Description: Oath or declaration filed JHN-30-676 Attorney Docket Number KETTUNEN, Auvo First Named Inventor INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) **HEATING OF HYDRAULIC DIGESTERS** (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number filed, or PCT International application number PCT/FI2015/050592 filed on September 10, 2015. The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. 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. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, ANDRITZ OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Tammasaarenkatu 1, Helsinki, Finland FI-00180, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filling and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first gnd middle (if any)) and Family Name or Surname) PELTONEN Kan Inventor's Signature Witnessed by ۲ Name

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

17.2. 2017

Occide: Oath  Document Description: Oath or declaration filed					
	Attorney Docket Number	JHN-30-676			
	First Named Inventor	KETTUNEN, Auvo			
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)  USING AN APPLICATION DATA SHEET (37 CFR 1.76)  Declaration Submitted With Initial Filing  OR  Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)					
HEATING OF HYDRAULIC DIGESTERS					
(Title of the Invention)					
As a below named inventor, I hereby declare that:					
This declaration is directed to:    the attached application, or   United States Application Number filed , or   PCT International application number PCT/FI2015/050592 filed on September 10, 2015.					
The above-identified application was made or authorized to be made by me.					
I believe I am the original inventor or an original joint inventor of a claimed inv	, ,				
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.					
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	n in the Application identified a	bove			
WHEREAS, ANDRITZ OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Tammasaarenkatu 1, Helsinki, Finland FI-00180, is desirous of acquiring an interest therein;					
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;					
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ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.					
AGREED and executed as noted below:					
Legal Name of Additional Joint Inventor, if any:					
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) Hannu		RÁMARK			
Inventor's Signature:	Date:	2,2017			

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

**PATENT REEL: 041526 FRAME: 0020** 

17.2.2017

Name

Signature of witness: