

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3398508

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOBIAS LÖÖF	06/04/2015
PATRIK PETTERSSON	06/02/2015
JONAS ORGÅRD	05/29/2015
HANS LÖVGREN	05/27/2015
PER WALLIN	06/02/2015
PETER NYKVIST	05/28/2015
JONAS MAGNUSSON	05/27/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VALMET AB
<b>Street Address:</b>	VALMET AB
<b>City:</b>	SUNDSVALL
<b>State/Country:</b>	SWEDEN
<b>Postal Code:</b>	851 94
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14650781
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-7866
<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>	(908) 654-5000
<b>Email:</b>	Assignment@ldlkm.com
<b>Correspondent Name:</b>	LDLK&M
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	SUNDS 3.3-174 (E)
<b>NAME OF SUBMITTER:</b>	ARNOLD H. KRUMHOLZ
<b>SIGNATURE:</b>	/Arnold H.Krumholz/
<b>DATE SIGNED:</b>	06/16/2015

**Total Attachments: 7**

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**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Tobias Lööf ofVåle 211, S-860 35 Söråker, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERING OF CELLULOSE PULP☒ for which an application for a United States Letters Patent was filed on June 9, 2015Application Number 14/650,781☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_☒ for which an International Application was filed on December 19, 2013, asPCT/SE2013/051570, designating the United States.

And

Whereas, Valmet ABa corporation of Finland herein referred to as "assignee" whose mailing address isValmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

4/6-2015

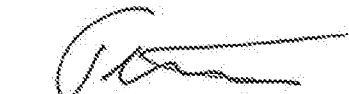
Date

Malin Svelander

Witness

Malin Svelander

Typed Name of Witness



Tobias Lööf

☒\*Total of 7 forms are submitted.

# **ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Patrik Pettersson of

Fullriggarvägen 43, S-865 32 Alnö, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERNG OF CELLULOSE PULP

☒ for which an application for a United States Letters Patent was filed on June 9, 2015

Application Number 14/650,781

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,

☒ for which an International Application was filed on December 19, 2013, as

PCT/SE2013/051570, designating the United States.

And

Whereas, Valmet AB

a corporation of Finland herein referred to as "assignee" whose mailing address is

Valmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

2015-06-02

Date

Malin Sveldander

Witness

Malin Sveldander

Typed Name of Witness

Patrik Pettersson

Patrik Pettersson

☒ \*Total of 7 forms are submitted.

**PATENT**

**REEL: 035921 FRAME: 0160**

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Per Wallin ofEskadervägen 2, S-865 32 Alnö, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERING OF CELLULOSE PULP☒ for which an application for a United States Letters Patent was filed on June 9, 2015Application Number 14/650,781☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_☒ for which an International Application was filed on December 19, 2013, asPCT/SE2013/051570, designating the United States.

And

Whereas, Valmet ABa corporation of Finland herein referred to as "assignee" whose mailing address isValmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

2015-06-02

Date

Per Wallin



Witness

Malin Svelander

Typed Name of Witness

☒\*Total of 7 forms are submitted.**PATENT****REEL: 035921 FRAME: 0161**

# **ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Jonas Orgård ofStödevägen 5B, SE-860 13 Stöde, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERNG OF CELLULOSE PULP☒ for which an application for a United States Letters Patent was filed on June 9, 2015Application Number 14/650,781☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,☒ for which an International Application was filed on December 19, 2013, asPCT/SE2013/051570, designating the United States.

And

Whereas, Valmet ABa corporation of Finland herein referred to as "assignee" whose mailing address isValmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

2015-05-29

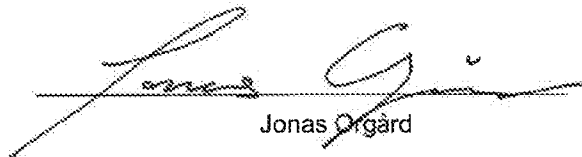
Date

Malin Suelander

Witness

Malin Suelander

Typed Name of Witness


  
Jonas Orgård
☒\*Total of 7 forms are submitted.

PATENT

REEL: 035921 FRAME: 0162

## ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Peter Nykvist ofHästskovägen 23, S-861 34 Timrå, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERING OF CELLULOSE PULP☒ for which an application for a United States Letters Patent was filed on June 9, 2015Application Number 14/650,781☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_☒ for which an International Application was filed on December 19, 2013, asPCT/SE2013/051570, designating the United States.

And

Whereas, Valmet ABa corporation of Finland herein referred to as "assignee" whose mailing address isValmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

2015-05-29

Date



Peter Nykvist



Witness

Malin Snelander

Typed Name of Witness

☒ \*Total of 7 forms are submitted.

PATENT

REEL: 035921 FRAME: 0163

## ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Jonas Magnusson ofBlåmesvägen 1, S-856 53 Sundsvall, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERNG OF CELLULOSE PULP☒ for which an application for a United States Letters Patent was filed on June 9, 2015Application Number 14/650,781☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,☒ for which an International Application was filed on December 19, 2013, asPCT/SE2013/051570, designating the United States.

And

Whereas, Valmet ABa corporation of Finland herein referred to as "assignee" whose mailing address isValmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

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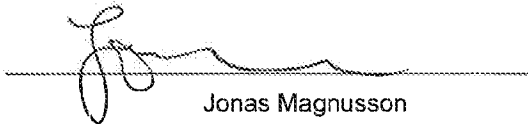
Date



Witness

Halin Srelander

Typed Name of Witness



Jonas Magnusson

☒\*Total of 7 forms are submitted.

PATENT

REEL: 035921 FRAME: 0164



**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

SUNDS 3.3-174 (E)

Whereas, I, Hans Lövgren ofKlingsta 222, S-855 90 Sundsvall, SWEDEN

hereafter referred to as assignor, have with others invented certain new and useful improvements in

AN APPARATUS FOR WASHING AND/OR DEWATERING OF CELLULOSE PULP☒ for which an application for a United States Letters Patent was filed on June 9, 2015Application Number 14/650,781☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_☒ for which an International Application was filed on December 19, 2013, asPCT/SE2013/051570, designating the United States.

And

Whereas, Valmet ABa corporation of Finland herein referred to as "assignee" whose mailing address isValmet AB, SE-851 94 Sundsvall, SWEDEN

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

2015-06-27

Date



Witness

Malin Svalander

Typed Name of Witness

  
Hans Lövgren☒ \*Total of 7 forms are submitted.**PATENT****RECORDED: 06/16/2015****REEL: 035921 FRAME: 0165**