

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Petteri Vuorio</td><td>05/26/2010</td></tr> <tr><td>Dahn Lundell</td><td>04/27/2010</td></tr> <tr><td>Eric Hensley</td><td>04/29/2010</td></tr> <tr><td>Jeff Bowie</td><td>04/26/2010</td></tr> <tr><td>Christer Hedlund</td><td>04/10/2010</td></tr> <tr><td>Peter Bergqvist</td><td>04/26/2010</td></tr> </tbody> </table>		Name	Execution Date	Petteri Vuorio	05/26/2010	Dahn Lundell	04/27/2010	Eric Hensley	04/29/2010	Jeff Bowie	04/26/2010	Christer Hedlund	04/10/2010	Peter Bergqvist	04/26/2010
Name	Execution Date														
Petteri Vuorio	05/26/2010														
Dahn Lundell	04/27/2010														
Eric Hensley	04/29/2010														
Jeff Bowie	04/26/2010														
Christer Hedlund	04/10/2010														
Peter Bergqvist	04/26/2010														
RECEIVING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name:</td><td>Metso Paper, Inc.</td></tr> <tr><td>Street Address:</td><td>Fabianinkatu 9 A</td></tr> <tr><td>City:</td><td>Helsinki</td></tr> <tr><td>State/Country:</td><td>FINLAND</td></tr> <tr><td>Postal Code:</td><td>FI-00130</td></tr> </table>		Name:	Metso Paper, Inc.	Street Address:	Fabianinkatu 9 A	City:	Helsinki	State/Country:	FINLAND	Postal Code:	FI-00130				
Name:	Metso Paper, Inc.														
Street Address:	Fabianinkatu 9 A														
City:	Helsinki														
State/Country:	FINLAND														
Postal Code:	FI-00130														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12679628</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12679628										
Property Type	Number														
Application Number:	12679628														
CORRESPONDENCE DATA															
<p>Fax Number: (404)881-7777 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 404-881-7000 Email: elaine.kelly@alston.com Correspondent Name: ALSTON & BIRD LLP/Christopher P. Lightne Address Line 1: 1201 West Peachtree Street Address Line 2: One Atlantic Center Address Line 4: Atlanta, GEORGIA 30309-3424</p>															
ATTORNEY DOCKET NUMBER:	033047/387067														

CH \$40.00 12679628

501208989

PATENT
REEL: 024559 FRAME: 0101

NAME OF SUBMITTER:

Christopher P. Lightner

Total Attachments: 7

source=387067Assignment#page1.tif

source=387067Assignment#page2.tif

source=387067Assignment#page3.tif

source=387067Assignment#page4.tif

source=387067Assignment#page5.tif

source=387067Assignment#page6.tif

source=387067Assignment#page7.tif

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Metso Paper, Inc.
Fabianinkatu 9 A
FI-00130 Helsinki
Finland

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"REFINER"**

as set forth in this United States Patent Application

- ☐ executed concurrently herewith
- ☐ executed on _____
- ☒ Application No. 12/679,628
- ☒ Application claims priority from International Application No. PCT/FI2008/050536, filed September 25, 2008, and Finnish priority Application No. 20075684, filed September 28, 2007, all applications listed above being hereinafter referred to as the "application(s)";

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in

form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

May 26th 2010
Date

Petteri Vuorio
Petteri VUORIO

WITNESSES:

Matti Kaarineva
MATTI KAARINEVA
(Typed Name of Witness)

Tomi Isakela
TOMI ISAKELA
(Typed Name of Witness)

form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

April 27, 2010
Date

Dahn Lundell
Dahn LUNDELL

WITNESSES:

Stan Clark

(Typed Name of Witness) Stan Clark

McCutcheon

(Typed Name of Witness) Susan McCutcheon

form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

April 29, 2010
Date

E. K. Hensley
Eric HENSLEY

State of Washington
County of Spokane

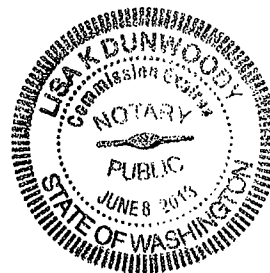
I, Lisa K. Dunwoody Notary Public for said County and State, do hereby certify that Eric Hensley personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 29 day of April, 2010.

(Official Seal)

Lisa K. Dunwoody
Notary Public

My commission expires June 8, 2013



form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

4/26/10
Date

Jeff Bowie
Jeff BOWIE

State of Georgia)
County of Gwinnett)

I, Bunny L. Baum, a Notary Public for said County and State, do hereby certify that Jeff Bowie personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 26th day of April, 2010.

(Official Seal)

Bunny L. Baum
Notary Public

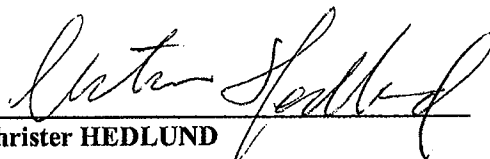
My commission expires _____


BUNNY L. BAUM
Notary Public, Forsyth County, Georgia
My Commission Expires Oct. 25, 2011

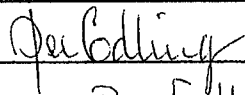
form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

100426
Date


Christer HEDLUND

WITNESSES:

(Typed Name of Witness) INGE STRAND


(Typed Name of Witness) Per Edling


form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

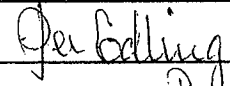
The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

2010.04.26
Date


Peter BERGQVIST

WITNESSES


(Typed Name of Witness) INGE STRAND


(Typed Name of Witness) Per Edling

Attorney Docket No. 033047/387067