

Form PTO-1595 (Rev. 09-04)
OMB No. 0651-0027 (Exp. 6/30/2005)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below

<p>1. Name of conveying party(ies)/Execution Date(s): JONAS ORGARD (03/30/2010) AND JOERGEN LUNDBERG (03/30/2010)</p> <p>Execution Date(s): in parentheses after inventor name</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>METSO PAPER, INC.</u></p> <p>Internal Address: _____</p> <p>Street Address: _____</p> <p>P.O. BOX 1220</p> <p>City: <u>HELSINKI</u></p> <p>State: _____</p> <p>Country: <u>FINLAND</u> Zip: <u>FI-00101</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Government Interest Assignment</p> <p><input type="checkbox"/> Executive Order 9424, Confirmatory License</p> <p><input type="checkbox"/> Other _____</p>	

<p>4. Application or patent number(s):</p> <p>A. Patent Application No. (s) 12/738,894</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><input type="checkbox"/> This document is being filed together with a new application.</p> <p>B. Patent No. (s)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Arnold H. Krumholz LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: B&LAB 3.3-033</u></p> <p>Street Address: <u>600 South Avenue West</u></p> <p>City: <u>Westfield</u></p> <p>State: <u>NJ</u> Zip: <u>07090</u></p> <p>Phone Number: <u>(908) 518-6304</u></p> <p>Fax Number: <u>(908) 654-0415</u></p> <p>Email Address: <u>akrumholz@ldlkm.com</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> None required (government interest not affecting title)</p>
	<p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>12-1095</u> Authorized User Name <u>Arnold H. Krumholz</u></p>

<p>9. Signature:</p> <p style="text-align: center;"></p> <p style="text-align: center;">Signature</p> <p style="text-align: center;"><u>Arnold H. Krumholz - 25,428</u> Name of Person Signing</p>	<p style="text-align: right;">Date <u>April 26, 2010</u></p> <p>Total number of pages including cover sheet, attachments, and documents. 3</p>
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FORM PTO-1595

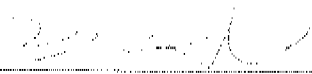
CH \$40.00 121095 12738894

Form PTO/SB/15 (3-00) Modified 11/03/08

ASSIGNMENT OF UTILITY APPLICATION	Cocket Number (Optional) B&LAB 3.3-033
Whereas, I, <u>Jonas Orgård</u> of <u>Stödevägen 5B, SE-860 13 Stöde, Sweden</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>APPARATUS AND METHOD FOR TREATMENT OF PULP</u>	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>April 20, 2010</u> Application Number <u>12/738,894</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an international Application was filed on <u>October 23, 2008</u> , as <u>PCT/SE2008/000608</u> , designating the United States.	
And	
Whereas, <u>Metso Paper, Inc.</u> a corporation of <u>Sweden</u> herein referred to as "assignee" whose mailing address is <u>P.O. Box 1220, FI-00101 Helsinki, Finland</u>	
is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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.	
<u>March 30, 2010</u> Date	 Jonas Orgård
 Witness	
<u>Eva J. Persson</u> Typed Name of Witness	
<input checked="" type="checkbox"/> *Total of <u>2</u> forms are submitted.	

FD-514

former PTO/USPTO Modified EOL/SM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) B&LAB 3.3-033
Whereas, I, <u>Jörgen Lundberg</u> of <u>Idrollsgatan 21, S-856 43 Sundsvall, Sweden</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in APPARATUS AND METHOD FOR TREATMENT OF PULP	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>April 20, 2010</u>	
Application Number <u>12/738,894</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>October 23, 2008</u> , as <u>PCT/SE2008/000608</u> , designating the United States.	
And	
Whereas, <u>Metsä Paper, Inc.</u> a corporation of <u>Sweden</u> herein referred to as "assignee" whose mailing address is <u>P.O. Box 1270, FI-00101 Helsinki, Finland</u> is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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.	
<u>March 30, 2010</u> Date	 Jörgen Lundberg
<u>Cora J. Persson</u> Witness	
<u>Cora J. Persson</u> Typed Name of Witness	
<input checked="" type="checkbox"/> Total of <u>2</u> forms are submitted.	

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