| m PTO-1595 (Rev. 09/ 04)<br>IB No. 0651-0027 (exp. 6/30/2005)   | U.S. DEPARTMENT OF COMMERCE<br>United States Patent and Trademark Office |  |
|---|--|--|
| RECORDATION FOR   |  |  |
| PATENTS ONLY  |  |  |
| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. |  |  |
| Name of conveying party(ies)/Execution Date(s):   | 2. Name and address of receiving party(les)                              |  |
| RICKARD ANDERSSON (08/08/2007), JOHAN   |  |  |
| BYLANDER (08/08/2007), MAGNUS   |  |  |
| HENRIKSSON (08/08/2007), AND  | Name: METSO PAPER, INC.  |  |
|   | Internal Address:  |  |
| Execution Date(s): In parentheses after inventor name   | Street Address:  |  |
| Additional name(s) of conveying party(ies) attached? X Yes No   |  |  |
|   | BOX 1220   |  |
| 3. Nature of Conveyance:  Assignment  Merger  |  |  |
|   | Chy: HELSINKI  |  |
| Security Agreement Change of Name   | Silyt  |  |
| Government Interest Assignment  | State:   |  |
| Executive Order 9424, Confirmatory License  | Country: Finland zip: FIN-00101  |  |
| X Other Correction 019865/0571 name Jörgen T. Lundberg  | Additional name(s) & address(es) Yes X No attached:                      |  |
| 4. Application or patent number(s):   | This document is being filed together with a new application.            |  |
| A. Patent Application No.(5)  | B. Patent No.(s)   |  |
| 11/885,828  |  |  |
|   |  |  |
| Additional numbers attached   | 7 Yes X No   |  |
| 5. Name and address to whom correspondence concerning document should be mailed:  | 6. Total number of applications and patents involved:                    |  |
| Name: Arnold H, Krumholz  |  |  |
| LERNÉR, DAVID, LITTENBERG,<br>KRUMHOLZ & MENTLIK, LLP   | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00                             |  |
| KROWI IOEE & WENTEN, EE.  |  |  |
| Internal Address; Atty. Dkt.: B7LAB 3.3-030   | Authorized to be charged by credit card                                  |  |
| Internal Address And Control of the Control   |  |  |
| Street Address: 600 South Avenue West   | X Authorized to be charged to deposit account                            |  |
|   | Enclosed   |  |
|   | None required (government interest not affecting title                   |  |
|   | None required (government interest not allegang the                      |  |
| City: Westfield   | 8. Payment Information   |  |
| State: NJ Zip:07090   | e. Credit Card Last 4 Numbers  |  |
| Phone Number: (908) 518-6304  | b. Deposit Account Number 12-1095  |  |
| Fax Number: (908) 654-0415  | Authorized User Name Arnold H. Krumholz                                  |  |
|   | <u> </u>   |  |
| 9. Signature:   | March 18 2000  |  |
| Signature   |  |  |
| Arnold H. Krumholz - 25,428   | Total number of pages including cover 8                                  |  |
| Name of Person Signing  | sheet, attachments, and documents:                                       |  |

PATENT REEL: 022419 FRAME: 0826

| Form PTO-1595   | RECORDA              | TION FORM COVER SHEET<br>(continued)        |             |
|---|----------------------|---|-------------|
| Additional Conveying Party(ies)/Execution Date(s) (1. Continued): |                      |   |             |
| lörgen T. Lundberg (0   | 8/08/2007)           |   |             |
| Additional Assigne  | es (2. Continued):   |   |             |
| Assignee Name:<br>Internal Address:<br>Street Address:            |                      |   |             |
| City:   | State:               | Country:                                    | Zip:        |
| Assignee Name: Internal Address: Street Address:                  |                      | <u> </u>                                    | <del></del> |
| City:   | State:               | Country:                                    | Zip:        |
| Assignee Name;<br>Internal Address;<br>Street Address;            |                      |   |             |
| City:   | State:               | Country:                                    | Zip:        |
| Additional Applica  | ations and/or Patent | s (4. Continued):                           |             |
| Additional Patent Applicati<br>4A. Continued:                     |                      | Additional Patent Numbers<br>4B. Continued: |             |
|   |                      |   |             |
|   | Additional number    | s attached? Yes No                          |             |

Docket No.: B&LAB 3.3-030

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PARONLD H. KRUMHOLZ COMPANY: LERNER, DAVID, LITTENBERG, ET AL

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| - MIG 1776-1895 (Kes. 10). (M)<br>DNB NG (MS) -0027 (40). (GD)78005)   | С С ПОСТИВНИЕМ ОТИГАТИТЕТИ В В В В В В В В В В В В В В В В В В В   |  |
|--|--|--|
| RECORDATION FO   | ORM COVER SHEET  |  |
| PATENTS ONLY   |  |  |
| To the Director of the U.S. Patent and Trademark Office: Plot  | ase record the attached documents or the new address(es) below   |  |
| 1. Name of conveying party(les)/Execution Date(s):<br>RICKARD ANDERSSON (08/08/2007), JOHAN<br>BYLANDER (08/08/2007), MAGNUS | Name and address of receiving party(ins)   |  |
| HENRIKSSON (08/08/2007), AND   | Name. METSO PAPER, INC.  |  |
| Execution Date(s). In parentheses effer inventor name  | Shoot Address.   |  |
| 3. Nature of Conveyance:  x Azalgomeni Merger  | BOX 1220   |  |
| Security Agreement Change of Name Convergence (Interest Assignment   | City HELSINKI  |  |
| Executive Order 9424, Confirmatory License Other   | Country: Finland Zip FIN-00103 Additional name(s) & address(os) Yes X No                                       |  |
| 4. Application or patent number(s):  A Parent Application No.(s)  11/885,828   | This document is being filed together with a new application  B. Patent No.(6)                                 |  |
| Additional numbers attack  | ned* Ym x No   |  |
| 5. Name and address to whom correspondence concerning document should be malled:   | 6. Total number of applications and patents involved:  |  |
| Amold H, Krumholz<br>LERNER, DAVID, LITTENBERG,<br>KRUMHOLZ & MENTLIK, LLP   | 7. Total foo (37 CFR 1,21(h) & 3.41) \$ 40,00  |  |
| internal Aderosa: Atty Dkt.  | Authorized to be charged by credit card  |  |
| Sinel Address: 600 South Avenue West   | Authorized to be charged to deposit occount  Cinclosed  Now required (government interest rest affecting tries |  |
| city: Westfield  | B. Payment Information   |  |
| State: NJ Zip: 07090   | n. Credit Card Last 4 Numbers Expension Date   |  |
| Phone Number (908) 518-6304  |  |  |
| Fax Number: (908) 654-0415 Email Address: 2krumholz@idkm.com   | b. Deposit Account Number 12-1095 Authorized User Name Arnold H. Krumholz                                      |  |
|  |  |  |
| 9, Stenature:  | September 20, 2007   |  |
| Signature  | uled.  |  |
| Arnold H. Krumholz - 25,428  | Total number of pages including cover sheet, attachments, and documents.                                       |  |

**PATENT** 

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HEARONLD H. KRUMHOLZ COMPANY: LERNER, DAVID, LITTENBERG, ET AL

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+ USPTO ASSIGNMENT 2003/007

| (Serm 1717)-1798   | RECORDATION FOR<br>(CONTI    |  |               |              |
|--|------------------------------|--|---------------|--------------|
| Additional Conveying Party(ies)/Execution Date(s) (1. Continued):  |                              |  |               |              |
| Järgen Lundberg (08/08/2001  | 7)                           |  |               |              |
|  | _                            |  |               |              |
| Additional Assignees (2.   | Continued):                  |  |               |              |
| •  |                              |  | <del> —</del> | ļ            |
| Internal Address:  |                              |  |               | ļ            |
| Street Address:  |                              |  |               |              |
| Caly,  | State:                       | Gountry: , ,                                     |               | Zip: , , , , |
| Assignae Namo;   |                              |  |               | 1            |
| Internal Address.  | -                            |  |               | 1            |
| Stroot Address:  |                              |  |               | }            |
|  |                              |  |               | 1            |
| Сяу:   | Sinte:                       | Country:   |               | Zp:          |
| Assignoc Namo:   | . r . r                      |  |               |              |
| internal Address:  |                              |  |               |              |
| Street Address:  |                              |  |               |              |
| City:  | ತಿಣರು:                       | Country:   |               | Zip:         |
| Additional Applications  | and/or Patents (4. Co        | ntinued):  |               |              |
| Additional Patent Application Numb   |                              | <br>  Additional Patent Numb<br>  4B, Continued. | ors.          | •            |
| The state of the s |                              |  |               |              |
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|  |                              | [  | <b>_</b>      | •            |
| ]  | Additional numburg affached? | Yuz  | Ntra          |              |

Docket No :

|   | Docket Number (Optional)  |
|---|---|
| ASSIGNMENT OF UTILITY APPLICATION   | B&LAB 3.3-030   |
| Diokard Andersson   | of  |
| hereas, I, <u>Rickard Andersson</u> Skedvik 123; S-864 92 Matfors; SWEDEN   |   |
|   | tain new and useful improvements in   |
| ereafter referred to as assignor, have with others invented cert<br>ARRANGEMENT FOR THE TREATMENT OF CELL   | ULOSE PULP IN A WASHING   |
| ARRANGEMENT FOR THE TREATMENT OF CELL APPARATUS ADAPTEDTO FACILITATE SERVICE  | AND INSPECTION OF THE APPARATOS   |
| for which an application for a United States Letters Pa   | tent was filed on   |
| A Eastion Number  | <del></del>   |
| for which an application for a United States Letters Pate   | ent was executed by me on,  |
|   |   |
| for which an International Application was filed on   |   |
| PCT/SE2006/000653 , designating the Unite   | ed States.  |
| And   |   |
| Whereas, Metso Paper, Inc. a corporation of Finland herein referred to as "assignee" whos   | se mailing address is   |
| Box 1220; FIN-00101 Helsinkl; FINLAND   |   |
| s desirous of acquiring the entire right, title and interest in the   | same;   |
| NOW, THEREFORE, in consideration of the sum of one  | dollars (\$ 1.00 ), the receipt whereo  |
| invention and the aforesaid utility patent application and a applications and patents applied for or granted therefor in the said invention, including without limitation all applications and the aforesaid utility application pursuant to any law or treaty infringement with the right to sue for and collect the same for legal representatives, and including the right to claim such the trademarks is hereby authorized and requested to issue all said assignee herein, as assignee of the entire interest representatives, heirs and assigns do hereby agree and cover all original, divisional, continuation, reissue and other applicational, divisional, continuation, reissue and other applications thereof to said assignee or its assigns, to come known to the undersigned respecting said improvements, will legal proceedings in which any of said applications or pater all rightful oaths, and to do generally everything necessary obtain patent protection for said improvements in all countries and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deep | , and including all claims for damages by reason of pair its own use and the use of its successors, assigns are priority or benefit and the Commissioner of Patents are priority or benefit and the Commissioner of Patents are I patents on said improvements or resulting therefrom it therein; and the undersigned for me and my legalerant without further remuneration, to execute and delivity cations for Letters Patent on said improvements and immunicate to said assignee or its representatives all fact the expense involved, to sign all lawful papers, mainto aid assignee, its successors, assigns and nominees es, the expenses incident to said applications to be boreast. |
| And I do hereby authorize my attorneys to insert on this dee when known.  | d the filling date and appropria  |
| Cherry 8 2007   | Ky-   |
| Date  | Rickard Andersson   |
| <u>— Cia Poessey</u><br>Witness   |   |
| Eva Jakobsson Persson Typed Name of Witness   |   |
|   |   |
| x *Total of 4 forms are submitted.  |   |

1.D-515\

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION B&LAB 3.3-030 Whereas, I, Johan Bylander Akersviksgatan 9 B; S-852 37 Sundsvall; SWEDEN hereafter referred to as assignor, have with others invented certain new and useful improvements in ARRANGEMENT FOR THE TREATMENT OF CELLULOSE PULP IN A WASHING APPARATUS ADAPTEDTO FACILITATE SERVICE AND INSPECTION OF THE APPARATUS for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on June 2, 2006 , as PCT/SE2006/000653 , designating the United States. And Whereas, Metso Paper, Inc. a corporation of Finland herein referred to as "assignee" whose mailing address is Box 1220; FIN-00101 Helsinki; FINLAND is desirous of acquiring the entire right, title and interest in the same; ), the receipt whereof <u>1.00</u> NOW, THEREFORE, in consideration of the sum of one dollars (\$ 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 aforesald 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 Johan Bylander va Jak<u>obsson Pers</u>son Typed Name of Witness

x \*Total of

forms are submitted.

1.ID-515\

former PTO/SB/15 (6-00) Modified LDLK&M

| ASSIGNMENT OF UTILITY APPLICATION   | Docket Number (Optional)  |  |
|---|---|--|
|   | B&LAB 3.3-030   |  |
| Whereas, I, Magnus Henriksson   |   |  |
| Norrlidsgatan 8, 7 Tr.; S-856 41 Sundsvall; SWEDEN  |   |  |
| hereafter referred to as assignor, have with others invented certain new and useful improvements in<br>ARRANGEMENT FOR THE TREATMENT OF CELLULOSE PULP IN A WASHING<br>APPARATUS ADAPTEDTO FACILITATE SERVICE AND INSPECTION OF THE APPARATUS   |   |  |
| for which an application for a United States Letters Patent was filed on Application Number   |   |  |
| for which an application for a United States Letters Pater  | nt was executed by me on  |  |
| x for which an International Application was filed on   | June 2, 2006 , as   |  |
| PCT/SE2006/000653 , designating the United  | States.   |  |
| And   |   |  |
| Whereas, Metso Paper, Inc. a corporation of Finland herein referred to as "assignee" whose  | molling addrage is  |  |
| Box 1220; FIN-00101 Helsinki; FINLAND   | maining address is  |  |
| is desirous of acquiring the entire right, title and interest in the sa   | ame;  |  |
| NOW, THEREFORE, in consideration of the sum of one dollars (\$ 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 covernant 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 i |   |  |
| And I do hereby authorize my attorneys to insert on this deed the when known.  OHUGUSH 8, 2007  Date  OWNER  Witness  | e filing date and application number of said application  Magnus Henriksson |  |
| Eva Jakobsson Persson   |   |  |
| Typed Name of Witness   |   |  |
| x *Total of 4 forms are submitted.  |   |  |

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**PATENT** 

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| ASSIGNMENT OF UTILITY APPLICATION  | Docket Number (Optional)                                 |  |  |
|--|--|--|--|
|  | B&LAB 3.3-030  |  |  |
| Whereas, I, _ Jörgen T. Lundberg   | of   |  |  |
| Idrottsgatan 21; S-856 43 Sundsvall; SWEDEN  |  |  |  |
| hereafter referred to as assignor, have with others invented cert  |  |  |  |
| ARRANGEMENT FOR THE TREATMENT OF CELLU<br>APPARATUS ADAPTEDTO FACILITATE SERVICE A   | · · · · · · · · · · · · · · · · · · ·                    |  |  |
| for which an application for a United States Letters Pat   | "  |  |  |
| Application Number   |  |  |  |
| for which an application for a United States Letters Pater   | nt was executed by me on ,                               |  |  |
| x for which an International Application was filed on  | June 2, 2006 , as  |  |  |
| PCT/SE2006/000653 , designating the United   | l States.  |  |  |
| And  |  |  |  |
| Whereas, <u>Metso Paper, Inc.</u> a corporation of <u>Finland</u> herein referred to as "assignee" whose   |  |  |  |
| Box 1220; FIN-00101 Helsinki; FINLAND  | mailing address is                                       |  |  |
| is desirous of acquiring the entire right, title and interest in the sa  | ame;   |  |  |
| 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 sald 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 sald 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 assignse 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 when known.  | e filing date and application number of said application |  |  |
| duaind 8 Donz  | 7-2 X)   |  |  |
| Date   | Jörgen T. Lundberg                                       |  |  |
| Eval Person  | - <u>-</u>   |  |  |
| Eva Jakobsson Persson  |  |  |  |
| Typed Name of Witness  |  |  |  |
|  |  |  |  |
| *Total of A forms are submitted  | · ·  |  |  |

x\_ \*Total o

**RECORDED: 03/19/2009** 

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