| m PTO-1595 (Rev. 09/ 04)<br>B No. 0651-0027 (exp. 6/30/2005)   | U.S. DEPARTMENT OF COMMERC<br>United States Patent and Trademark Office                                   |
|--|---|
| RECORDATION FOR  |   |
| PATENTS  |   |
| To the Director of the U.S. Petent and Trademark Office: Please  | record the attached documents or the new address(es) below.   |
| Name of conveying party(les)/Execution Date(s):  | 2. Name and address of receiving party(les)   |
| IÖRGEN T. LUNDBERG (10/25/2007),<br>RICKARD ANDERSSON (10/25/2007), JOHAN  |   |
| BYLANDER (10/25/2007), AND   | Name: METSO PAPER, INC.   |
|  | Internal Address:   |
| Execution Date(s): In parentheses after inventor name  Additional name(s) of conveying party(les) allached7 X Yes No | Struet Address:   |
| 3. Nature of Conveyance:   | BOX 1220  |
| x Assignment Merger  |   |
| Security Agreement Change of Name  | City: HELSINKI  |
| Government Interest Assignment   | Strite:   |
| <u></u>  | Country:Finlandzip: FIN-00101   |
| Executive Order 9424, Confirmatory License   | Additional name(s) & address(es) Yes X No   |
| Other  | attached:   |
| 11/921,373  Additional numbers attached  | 17 Yes X No   |
| i. Name and address to whom correspondence concerning document should be mailed:                                     | 6. Total number of applications and patents involved:   |
| Name: Arnold H. Krumholz<br>LERNER, DAVID, LITTENBERG,<br>KRUMHOLZ & MENTLIK, LLP                                    | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00   |
| Internal Address: Atty. Dkt.:  | Authorized to be charged by credit card   |
| Street Address: 600 South Avenue West  | Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting t |
| Othe Westfield   | 8. Payment information  |
| City:  | a. Credit Card Last 4 Numbers   |
| Phone Number: (908) 518-6304   | Expiration Date   |
| Fax Number: (908) 654-0415   | b. Deposit Account Number 12-1095 Authorized User Name Armold H. Krumholz                                 |
| Email Address: akrumholz@ldikm.com   | Authorized User Name Armold H. Kruffillolz  |
| 9, Signature:  |   |
| 3/   | January 15, 2008  |
| Signature  | Date  |
| Arnold H. Krumholz - 25,428  Name of Person Signing  | Total number of pages including cover sheet, attachments, and documents:                                  |

PATENT REEL: 020369 FRAME: 0522

| Form PTO-1595                            |                       | (continued)                                 |                |
|--|-----------------------|---|----------------|
| Additional Convey                        | ing Party(ies)/Execut | ion Date(s) (1. Continued):                 |                |
| Magnus Henriksson (                      | 10/25/2007)           |   |                |
|  |                       |   |                |
| Additional Assigne                       | es (2. Continued):    |   |                |
|  |                       |   | _ <del>_</del> |
| Internal Address:<br>Street Address:     |                       |   |                |
| City:                                    | State:                | Country:                                    | Zip:           |
| Assignee Name:                           |                       |   |                |
| Internal Address:                        |                       |   |                |
| Street Address:                          |                       |   |                |
| City:                                    | State:                | Country:                                    | Zip:           |
| Assignee Name:                           |                       |   |                |
| Internal Address:                        |                       |   |                |
| Street Address:                          |                       |   |                |
| City:                                    | State:                | Country:                                    | Zíp:           |
| Additional Applic                        | ations and/or Patent  | s (4. Continued):                           |                |
| Additional Patent Applica 4A. Continued: |                       | Additional Palent Numbers<br>43, Continued: |                |
|  |                       |   |                |
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|  |                       |   |                |
|  | Additional number     | s attached? Yes N                           | <u> </u>       |

Docket No.:

| •  | former PTO/SB/15 (6-00) Modified LDLK&M  |
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|  | Docket Number (Optional)   |
| ASSIGNMENT OF UTILITY APPLICATION  |  |
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| gu I Lundhone citi   | zen of Sweden of   |
| Whereas, I,  | //3 Sundsyall, Sweden  |
| Idrottsgatan ZI, SE-838  | and in new and useful improvements in  |
| hereafter referred to as assignor, have with others invented o   | 38/ram new and decision importan   |
| for which an application for a United States Letters   | Patent was filed on  |
| . u c . Normbor  |  |
| for which an application for a United States Letters P   |  |
| For which an International Application was filed on as <a href="https://personal.org/pct/950146">PCT/SE2006/050146</a> designations  | Mary 22, 2006 ting the United States.  |
| And Whereas, Metso Paper, Inc. a corporation of Finland herein refer   |  |
| Whereas, herein refer  | red to as "assignee" whose mailing address is  |
| P N Box 1220, FIN-00101 hejsinki, Fin-   |  |
| Is desirous of acquiring the entire right, title and interest in t   | he same;   |
| NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable considerat assignee my entire right, title and interest for the United invention and the aforesald utility patent application and applications and patents applied for or granted therefor in said invention, including without limitation all applications at the aforesald utility application pursuant to any law or treat and the Commissioner of Patents and Trademarks is here improvements or resulting therefrom to said assignee he undersigned for me and my legal representatives, heirs a remuneration, to execute and deliver all original, divisions Patent on said improvements and all assignments there assignee or its representatives all facts known to the requested, to testify in any interferences or other legal probecome involved, to sign all lawful papers, make all right assignee, its successors, assigns and nominees to obtain expenses incident to said applications to be borne and pain | States of America and all other countries in and to said all original, divisional, continuation, substitute or released the United States of America and all other countries, found patents for said invention claiming priority or benefit of and patents for said invention claiming priority or benefit of any and including the right to claim such priority or benefit eleps authorized and requested to Issue all patents on said erein, as assignee of the entire Interest therein; and the land assigns do hereby agree and covenant without further all continuation, release and other applications for Letter all to said assignee or its assigns, to communicate to said to said assigned respecting said improvements, whenever the control of the said applications or patents may full oaths, and to do generally everything necessary to aid patent protection for said improvements in all countries, the |
| 25 October 2007 Date   | Signature  |
| Witness  |  |
| Ewa Nijsson  |  |
| Typed Name of Witness  |  |
| *Total of forms are submitted.   |  |
| *Total of forms are submitted.   |  |

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|  | former PTO/SB/15 (8-00) Modified LDLK&M  |
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|  | Docket Number (Optional)   |
| ASSIGNMENT OF UTILITY APPLICATION  |  |
|  |  |
| <u> </u>   |  |
| Whereas, I, Rickard Andersson, citizen   | cf Swed <u>en</u> of   |
| Whereas, I, Skedvik 123, 5E-864 92 Matf  | ors, Sweden  |
| hereafter referred to as assignor, have with others invented cer   | dain new and useful improvements in  |
| hereafter referred to as assignor, have with others invented as-   |  |
|  | wheet was filed Of   |
| for which an application for a United States Letters Pa  | Helit was med on   |
| Application Number   |  |
| Application Number   | ent was executed by the on   |
| For which an International Application was filed on Management (Application was filed on Management)   | ay 22, 2006  |
|  | g the United States.   |
| x as <u>PCT/ SE2006/030146</u> , designating   | -  |
| And  |  |
| And Whereas, Metso Paper, Inc. a corporation of Finland herein referred  | to as "assignee" whose mailing address is  |
| P D Box 1220, FIN- 00101 Helsinki, Finls   | and  |
| P D Box 1220, FIN- UDIO REISSING, 1211   | same:  |
| Is desirous of acquiring the entire right, title and interest in the   |  |
| NOW, THEREFORE, In consideration of the sum of one is acknowledged, and other good and valuable consideration assignee my entire right, title and interest for the United Standard invention and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the said invention, including without ilmitation all applications and the aforesald utility application pursuant to any law or treaty and the Commissioner of Patents and Trademarks is hereby and the Commissioner of Patents and Trademarks is hereby improvements or resulting therefrom to said assignee here undersigned for me and my legal representatives, helrs and remuneration, to execute and deliver all original, divisional, Patent on said improvements and all assignments thereof the assignee or its representatives all facts known to the content of the c | n. I as assignor hereby sell, assign and set over to said tates of America and all other countries in and to said I original, divisional, continuation, substitute or reissue of United States of America and all other countries, for dipatents for said invention claiming priority or benefit of and including the right to claim such priority or benefit of authorized and requested to issue all patents on said all, as assignee of the entire interest therein; and the assigns do hereby agree and covenant without further continuation, relissue and other applications for Letters to said assignee or its assigns, to communicate to said undersigned respecting said improvements, whenever condings in which any of said applications or patents may a paths, and to do generally everything necessary to ald than protection for said/improvements in all countries, the |
| 25 Oxtober 2007<br>Owa Vilborn   | Signature  |
| Witness  |  |
| Ewa Nilsson  |  |
| Typed Name of Witness  |  |
|  | <u> </u>   |
| *Total of forms are submitted.   |  |

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\*Total of

| Akersviksgatan 98, SE-852 37 Sundsvarr, Sweden hereafter referred to as assignor, have with others Invented certain new and useful Improvements in  |
|---|
| Whereas, I, Johan Bylander, citizen of Sweden of  |
| Whereas, I, Johan Bylander, citizen of Sweden of  |
| Whereas, I,   |
| Akersviksgatan 98, SE-852 37 Sundsvarr, Sweden hereafter referred to as assignor, have with others Invented certain new and useful Improvements in  |
| Akersviksgatan 98, SE-852 37 Sundsvarr, Sweden hereafter referred to as assignor, have with others Invented certain new and useful Improvements in  |
| hereafter referred to as assignor, have with others invented certain new and useful improvements in   |
|   |
|   |
| 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 May 22, 2006 x as PCT/SE2006/050146 , designating the United States.  |
| A as Foliaiszovorovoza  |
| And Whereas, Metso Paper, Inc. a corporation of Finland herein referred to as "assignee" whose mailing address is   |
| Whereas, "Metso raper, The herein referred to as "assignee" whose mailing address is  |
| B O Poy 1220 FIN-00101 Helsinki. <u>Finiano — — — — — — — — — — — — — — — — — — —</u>   |
| is destrous of acquiring the entire right, title and interest in the same;  |
| NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the recept means is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to a assignee my entire right, title and interest for the United States of America and all other countries in and to a sasignee my entire right, title and interest for the United States of America and all other countries, applications and patents applied for or granted therefor in the United States of America and all other countries, applications and patents applications and patents of said invention, claiming priority or benefit and invention, including without limitation all applications and patents for said invention claiming priority or benefit and invention, including without limitation all applications and patents for said invention claiming priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on a said the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on a said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and improvements or resulting therefrom to said assignee herein, as assignee or the entire interest therein; and unidersigned for me and my legal representatives, helrs and assigns do hereby agree and covernant without furt undersigned for me and my legal representatives, helrs and assigns do hereby agree and covernant without furt undersigned for me and other applications for Lett remuneration, to execute and deliver all original, divisional, continuation, relsaue and other applications for Lett remuneration, to execute and deliver all original, divisional, continuation, relsaue and covernant without furt undersigned for me and my legal representatives, helrs and assignee or its assigns, to communicate to a Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to a said assignee or its r |
| Ewa Nilsson   |
| Typed Name of Witness   |
| *Total of forms are submitted.  |

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| ASSIGNM          | MENT OF UTILITY APPLICATION  |  | 1         |
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|                  |  | _  |           |
| Whereas, I,      | Magnus Henriksson, Citizen o   | of Sweden of   |           |
| <del></del> ,    | Norrlidsgatan 8. 7tr., SE-85   | 66 41 Su <u>ndsvall, Sweden</u>  | 1         |
|                  | red to as assignor, have with others invented ce   | ertain new and useful improvements in  | Ì         |
| nereaπer reien   | ed to as assigned that a sum a   |  | - 1       |
| <del></del>      | nich an application for a United States Letters P  | atent was filed on   |           |
| _                |  | <u></u>  | ŀ         |
| Applic           | cation Number  Ich an application for a United States Letters Pal                              | tent was executed by me on   |           |
|                  |  |  |           |
| [□ For w         | hich an International Application was filed on   | M.1y 22, 2006  | -         |
| x as _           | hich an International Application was filed on   | ng the United States.  | 1         |
|                  |  |  |           |
| And<br>Whereas   | letso Paper, Inc.  |  |           |
| +tlop            | of Finland _ herein reterre  | d to as "assignee" whose mailing accress is  | - 1       |
| P N Box          | 1220. FIN-UUTUT Helsinki <u>, Finia</u>  |  |           |
| is desirous of   | acquiring the entire right, title and interest in the  | e same;  |           |
| NOW THERE        | FORE, in consideration of the sum of one   | dollars (\$ 1.00 ), the receipt when   | :eof      |
| is acknowledg    | ged, and other good and valuable consideration   | with a 4 America and all other countries in and to 8   | said      |
| assignee my      | entire right, title and interest for the printed of  | at a state of reliable or reiss  | sue       |
| invention and    | and patents applied for or granted therefor in t   | ill onginal, divisional, continuation, substitutional, the United States of America and all other countries, and patents for said invention claiming priority or benefit | tor it of |
| l sald invention | ı, including without limitation all applications en  | no possible to call a such priority or ben   | nefit I   |
| the aforesaid    | utility application pursuant to any law or means   | y, and modern and requested to lesue all patents on s  | sald      |
| and the Com      | s or resulting therefrom to said assignee her  | ein, as assignee of the entire interest therein; and assigns do hereby agree and covenant without furt   | ther      |
| Lunderslaned 1   | for the and my legal representatives, news and   | The release release and other applications for Lett  | ters      |
| remuneration     | , to execute and deliver all original, divisional, id improvements and all assignments thereof | to said assignee or its assigns, to communicate to support of the said assigned respecting said improvements, where  | DIBB      |
| assignee or      | its representatives all facts known to the   | times in which any of said applications or patents f   | may       |
| I requested, to  | testify in any interrender of other legal proc-  | to do generally everything necessary to  | aid       |
| assignee, its    | successors, assigns and nominees to obtain pa  | atent protection for sald improvements in all countries, by sald assignee.   | , une     |
| expenses inc     | ident to said applications to be builtle and pale  | by said assignee.  |           |
| 2.               | 5 October 2007<br>Date<br>David States   | Marin Land   | و         |
| 2/               | <u> </u>   | Signature  |           |
| 1 /              | 1 1/5/2012   | •  |           |
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**RECORDED: 01/15/2008** 

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