Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERC United States Patent and Trademark Office			
PATENTS ONLY				
Name of conveying party(ies):  Option Alderson	2. Name and address of receiving party(les)			
Oerjan Ahlgren	Name: Metso Paper Sweden AB			
	Internal Address:			
Additional name(s) of conveying party(les) attached? Yes X No	Street Address:			
3. Nature of conveyance/Execution Date(s):				
Execution Date(s): November 18, 2013	Gustaf Gidloefsvaeg 4			
X Assignment Merger Change of Name				
Security Agreement Joint Research Agreement	Clhu Sundrugii			
	City: Sundsvall			
Government Interest Assignment	State:			
Executive Order 9424, Confirmatory License	Country: Sweden Zip: 85194			
Other	Additional name(s) & address(es) Yes X No attached?			
14/009,220 Additional numbers attached	? Yes X No			
<ol><li>Name and address to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:			
Name: Arnold H. Krumholz LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
Internal Address: Atty. Dkt.: SUNDS 3,3-170				
Street Address: 600 South Avenue West	Authorized to be charged to deposit account     Enclosed     None required (government interest not affecting title)			
City: Westfield	8. Payment Information			
State: NJ Zip: 07090				
Phone Number: 908-654-5000				
Fax Number: 908-654-7866	Deposit Account Number 12-1095			
Email Address: mcormier@ldlkm.com	Authorized User Name Arnold H. Krumholz			
9. Signature:				
	November 26, 2013			
Signature	Date			
Arnold H. Krumholz - 25,428	Total number of pages including cover 2			
Name of Person Signing	sheet, attachments, and documents:			

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PATENT REEL: 031793 FRAME: 0413

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	former PTO/SB/15 (B-00) Modified LDLK8  Docket Number (Optional)				
ASSIGNMENT OF UTILITY APPLICATION	SUNDS 3.3-170				
Whereas, I, <u>Örjan Ahlgren</u> Bergsgatan 9, SE-852 36 Sundsvall, Sweden	of				
hereafter referred to as assignor, have invented certain new and useful Improvements in FEED SCREW ARRANGEMENT					
for which an application for a United States Letters Patent was filed on Application Number 14/009,220					
for which an application for a United States Letters Patent was executed by me on,					
x for which an International Application was filed on June 28, 2012 as					
PCT/SE2012/000099 , designating the United States.  And					
Whereas, Metso Paper Sweden AB					
a corporation of <a href="Sweden">Sweden</a> herein referred to as "assignee" whose Gustaf Gidlöfsväg 4, 85194 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 the 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 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, helrs 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 sald assignee.					
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.					
Date  Witness  Malin Stelander  Printed Name of Witness	Ogan Ahlgren				

3329774 3376340 RECORDED: 11/26/2013

**PATENT REEL: 031793 FRAME: 0414**