

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kvaerner Pulping AB	12/29/2006
RECEIVING PARTY DATA	
Name:	GL&V Management Hungary Kft, Luxembourg branch
Street Address:	1 rue des Glacis
City:	L-1628
State/Country:	LUXEMBOURG
Postal Code:	L-1628
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10596075
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ATTORNEY DOCKET NUMBER:	804-40022-US
NAME OF SUBMITTER:	Loretta Bogaard

Total Attachments: 6
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PATENT ASSIGNMENT

(WOB BUSINESS)

This Assignment (this "Assignment") is made on December 29, 2006, by and between:

- (1) **Kvaerner Pulping AB**, a company organized under the laws of Sweden, registered under the number 556018-7303 and having its registered address at Knud Dahls väg, SE-651 15 Karlstad, Sweden (the "Assignor"); and
- (2) **GL&V Management Hungary Kft**, Luxembourg branch, a company organized under the laws of Hungary, having its principal Luxembourg place of business at 1, rue des Glacis, L-1628, Luxembourg (the "Assignee").

WHEREAS:

This Assignment is made pursuant to the terms of the Sale and Purchase Agreement dated November 8, 2006 (the "Sale and Purchase Agreement"), between Metso Svenska AB, on the one hand, and the Assignee and GLV Sweden AB, on the other hand, under which Metso has agreed to procure the assignment to the Assignee of the patents and patent applications specified in the schedule to this Assignment (the "Patents").

NOW, THEREFORE, IT IS AGREED:-

1 ASSIGNMENT

The Assignor hereby assigns and transfers to the Assignee all of its right, title and interest in and to the Patents and all legal rights attaching thereto.

2 CHANGE OF NAME OF ASSIGNOR

The Assignor confirms that some of the Patents are registered under the names "Kvaerner Pulping Technologies AB", "Kamyr AB" and "AB Kamyr"; all of which are old business names of the Assignor.

3 NO WARRANTIES

All representations and warranties concerning the Patents are given by Metso exclusively as set out in Section 6 of the Sale and Purchase Agreement; and nothing in this Assignment shall be construed as a representation or warranty by the Assignor.

4 FURTHER ASSURANCE

The Assignee shall be responsible, at its own cost and expense, for recording the assignments made under clause 1 above. The Assignor shall, at the request of the Assignee in writing and at the Assignee's expense, do and execute, or arrange for the doing and executing of, each necessary act, document and thing reasonably within its power to implement the assignments provided for in this Assignment.

5 GOVERNING LAW AND DISPUTE RESOLUTION

This Agreement shall be governed and construed in accordance with the laws of Sweden, without giving effect to the choice of law principles thereof. Section 11.3 of the Sale and Purchase Agreement shall apply, *mutatis mutandis*, to this Assignment.

IN WITNESS WHEREOF, the Parties hereto have caused this Assignment to be duly executed as of the date first above written.

KVAERNER PULPING AB



Per-Åke Färnstrand

GL&V MANAGEMENT HUNGARY KFT
LUXEMBOURG BRANCH

Olivier Dorier

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KVAERNER PULPING AB

Per-Åke Färstrand

GL&V MANAGEMENT HUNGARY KFT
LUXEMBOURG BRANCH



Olivier Dorier

D. AUXILIARY EQUIPMENT

<i>Kvaerner ref. No.</i>	<i>Patent No.</i>	<i>Valid until</i>	<i>Other countries</i>	<i>Related to</i>
9792	SE519394	2018-08-31		Pulp distributor for up-flow tower
9397	SE502971	2013-09-16	US 5698079	Rotating pulp distributor in upper part of storage tower – specific deflector distributing pulp to center of tower
9307	SE502064	2013-11-29	CL 40274 US 20050023466A1 US 20060268262A1	Top scraper with dilution nozzles
9796	US6096170	2017-06-19		Top separator for P-reactor
0310	SE526220	2023-12-23	EP 1702102 JP WO05061781 US WO05061781	Tower out-feed via insertion pipe into center of tower bottom
9947	SE513487	2019-08-04	FI 200001519 US 6371526	Quick pipe reduction
9713	FI3344	2017-11-14	EP 1029194 (SE) US 6418963	Large stand pipe with small pipe bend in lower part, where part of pipe bend wall coincides with stand pipe wall
9567	EP859926	2015-07-28	SE 859926 US 6059323	Expansion limit for pipe connector – having multiple pairs of sealing rings pressed forward pipe-ends
9833	SE522494	2019-01-26	FI 20000146AO US 6347883	JETMIXER detail – supply slots for chemicals/gas open to down-stream end of jetmixer
9832	SE512192	2019-01-26	AT 0230627 DE 60001149 FI US 6659635	JETMIXER design – sudden area increase close to point of chemical supply Comment: EP opposition by Andritz 1-22-2004. Case is mature for oral proceedings within 2-12 months.
9710	SE510686	2017-10-14	AT 0243069 DE 69815704 FI (EP1023119) US 6341888 ZA 989381	JETMIXER design – multiple supply slots with continuous increase of flow area
9552	SE514543	2015-03-08	US 5685342	DP-mixer alternative – one wall used as throttle-body in single flow channel
9417	SE502393	2014-02-07	FI 0963094 US 5556200	DP-mixer, using wedge-like throttle body for pulp flow in area of mixing
0310A	SE528618	2025-01-04		Alternative to 0310*
0501	SE528274	2025-02-11	US 20060191651	Rebuild kit for converting an upflow tower to a downflow tower. Supports MC-pumps sales*



US 20070151693A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2007/0151693 A1**

Jansson et al.

(43) **Pub. Date: Jul. 5, 2007**

(54) **DEVICE AND METHOD WITHDRAWING CELLULOSE PULP FROM A CONTAINER**

(30) **Foreign Application Priority Data**

Dec. 23, 2003 (SE)..... 0303592-0

(76) Inventors: **Ulf Jansson, Karlstad (SE); Jonas Bjorkstrom, Karlstad (SE)**

Publication Classification

Correspondence Address:
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SOUTHERN PINES, NC 28387-4301 (US)

(51) **Int. Cl.**
D21C 7/08 (2006.01)
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(52) **U.S. Cl.** **162/246; 137/590**

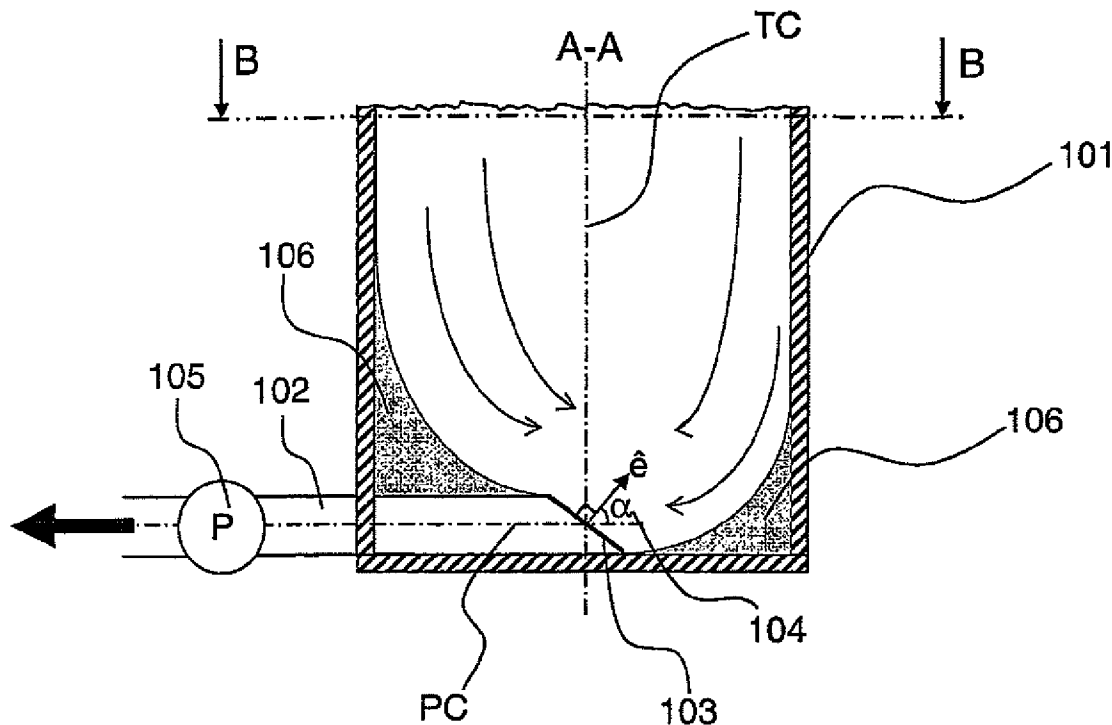
(57) **ABSTRACT**
This is a device and a method for withdrawing cellulose pulp with a pulp concentration of 8-14% from a cylindrical storage tower. The storage tower has a plane bottom and with a diameter that exceeds 3 meters. A pipe is arranged through the wall of the storage tower that is parallel to the bottom of the tower and directed towards the center of the tower. The pipe has at one of its ends an obliquely cut opening that faces upwards in the tower. The pipe is attached at its other end to an MC pump to be able to pump out cellulose pulp from the storage tower.

(21) Appl. No.: **10/596,075**

(22) PCT Filed: **Dec. 13, 2004**

(86) PCT No.: **PCT/SE04/01849**

§ 371(c)(1),
(2), (4) Date: **May 27, 2006**



(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/061781 A1

(51) International Patent Classification⁷: **D21C 7/08**,
D21D 5/28

[SE/SE]; Frykmans väg 48, S-653 46 Karlstad (SE).
BJÖRKSTRÖM, Jonas [SE/SE]; Hööksgatan 25A,
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(21) International Application Number:
PCT/SE2004/001849

(74) Agent: **FURHEM, Hans**; Kvaerner Pulping AB, Box
1033, S-651 15 Karlstad (SE).

(22) International Filing Date:
13 December 2004 (13.12.2004)

(81) Designated States (unless otherwise indicated, for every
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CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LI, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
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(71) Applicant (for all designated States except US):
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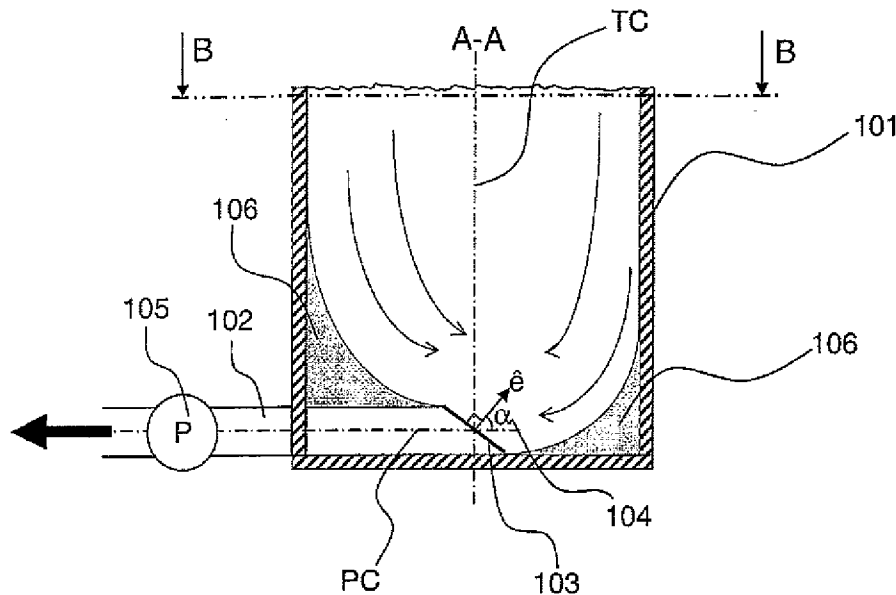
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European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JANSSON, Ulf**

[Continued on next page]

(54) Title: DEVICE AND METHOD WITHDRAWING CELLULOSE PULP FROM A CONTAINER



(57) Abstract: A device and a method for withdrawing cellulose pulp with a pulp concentration of 8-14 % from a cylindrical storage tower (101) with a plane bottom and with a diameter that exceeds 3 meters. A pipe (102) is arranged through the wall of the storage tower (101), parallel to the bottom of the tower (101) and directed towards the centre of the tower (101). The pipe (102) has at one of its ends an obliquely cut opening (103) that faces upwards in the tower (101). The pipe (102) is attached at its other end to an MC pump (105) with the aim of pumping out cellulose pulp from the storage tower (101).

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