

## SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 18 75 06 77

Classification of the application (IPC): D21C 1/02, D21B 1/02, D21C 1/04

Technical fields searched (IPC): D21H, D21C

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
A	GB 2065188 A (DORR OLIVER INC) 24 June 1981 (1981-06-24)  * the whole document *	1-8			
A	WO 2013149913 A1 (OVIVO LUXEMBOURG SARL [LU]) 10 October 2013 (2013-10-10) * the whole document *	1-8			
А	EP 3018251 A1 (VALMET OY [SE]) 11 May 2016 (2016-05-11) * the whole document *	1-8			
A	WO 2011110746 A1 (METSO PAPER INC [FI]; LAMMI LARI [FI]) 15 September 2011 (2011-09-15) * the whole document *	1-8			
А	US 4668340 A (SHERMAN MICHAEL I [US]) 26 May 1987 (1987-05-26) * the whole document *	1-8			
A	WO 2015139141 A1 (IOGEN ENERGY CORP [CA]) 24 September 2015 (2015-09-24) * the whole document *	1-8			
А	DATABASE EPODOC [Online] EUROPEAN PATENT OFFICE, THE HAGUE, NL "Process for treating spent, waste, alkaline digestion liquor frompaper pulping operations and product.", 24 June 1998 (1998-06-24), Database accession no. ZA-974836-A, XP002801002 * abstract *	1-8			
	& ZA 974836 B (BOUNTIFUL APPLIED RES CORP) 24 June 1998 (1998-06-24)				

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Date of completion of the search Place of search Examiner Munich 22 October 2020 Karlsson, Lennart

## **CATEGORY OF CITED DOCUMENTS**

- X: particularly relefant if taken alone
  Y: particularly relefant if a continuous continu
- particularly relefant if combined with another document of the same category
- technological background
- O: non-written disclosure
- &: member of the same patent family, corresponding document
- intermediate document
- theory or principle underlying the invention earlier patent document, but published on, or after the filing date
- document cited in the application
- L: document cited for other reasons



## ANNEX TO SUPPLEMENTARY EUROPEAN **SEARCH REPORT**

Application number: EP 18 75 06 77

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 22-10-2020

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2065188	А	24-06-1981	AU DE ES ES GB IN JP MX PH ZA	539450 B2 3045526 A1 14460 A 8106950 A1 8202081 A1 2065188 A 154386 B S5696983 A S6364559 B2 155270 A 17804 A 805709 B	27-09-1984 24-09-1981 31-03-1984 01-09-1981 01-01-1982 24-06-1981 20-10-1984 05-08-1981 12-12-1988 12-02-1988 13-12-1984 28-04-1982
WO 2013149913	A1	10-10-2013	CA EP US WO	2869215 A1 2834408 A1 2015122442 A1 2013149913 A1	10-10-2013 11-02-2015 07-05-2015 10-10-2013
EP 3018251	A1	11-05-2016	BR EP SE US	102015028113 A2 3018251 A1 1451339 A1 2016130753 A1	21-06-2016 11-05-2016 08-05-2016 12-05-2016
WO 2011110746	A1	15-09-2011	CA CN EP FI WO	2761757 A1 102472006 A 2430233 A1 20105243 A 2011110746 A1	15-09-2011 23-05-2012 21-03-2012 12-09-2011 15-09-2011
US 4668340	Α	26-05-1987	CA US	1245011 A 4668340 A	22-11-1988 26-05-1987
WO 2015139141	A1	24-09-2015	BR CA US WO	112016021699 A2 2941083 A1 2018179704 A1 2015139141 A1	15-05-2018 24-09-2015 28-06-2018 24-09-2015