

Title (en)

WOOD PULP PROCESSING APPARATUS AND METHOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ZELLSTOFFBEHANDLUNG

Title (fr)

APPAREIL ET PROCEDE DE TRAITEMENT DE LA PATE DE BOIS

Publication

**EP 0689626 A4 19971210 (EN)**

Application

**EP 94909766 A 19940218**

Priority

- US 9401943 W 19940218
- US 2032493 A 19930219

Abstract (en)

[origin: WO9419534A1] A system for dewatering/washing wood pulp and also for bleaching the same. Pulp from a digester is directed into a dewatering/washing apparatus (10) which comprises a high pressure vessel (12) in which there is a table assembly (24) having a perforate support surface for receiving the pulp thereon. A pressure differential is applied across the table assembly so that liquid is removed from the pulp. Also, a processing chemical and/or compound for bleaching is directed into the pulp at a final stage in the washer so as to be retained in the pulp. The pulp is then directed to a pressurized processing vessel where the compound and/or chemical reacts with the pulp. The pulp so treated in the processing vessel is then directed through a second washing station where the pulp is dewatered and has a compound and/or chemical introduced thereon, after which the pulp is transmitted to a second pressure vessel. This process is continued until the bleaching process is completed.

IPC 1-7

**D21C 9/02**; **D21C 9/153**; **D21C 9/16**; **D21C 9/18**; **B01D 24/00**

IPC 8 full level

**D21C 9/06** (2006.01); **D21C 9/10** (2006.01); **D21C 9/153** (2006.01); **D21C 9/16** (2006.01); **D21C 9/18** (2006.01); **D21D 1/40** (2006.01); **D21F 1/80** (2006.01)

CPC (source: EP)

**D21C 9/06** (2013.01); **D21C 9/10** (2013.01); **D21C 9/1005** (2013.01); **D21C 9/153** (2013.01); **D21C 9/163** (2013.01); **D21C 9/18** (2013.01); **D21D 1/40** (2013.01); **D21F 1/80** (2013.01)

Citation (search report)

- [Y] US 4154644 A 19790515 - ERICSSON ERIC O [US]
- [Y] US 4529479 A 19850716 - TUOMI ALPO [FI]
- [Y] US 3398412 A 19680827 - ENSIO AREMAA TOIVO
- See references of WO 9419534A1

Designated contracting state (EPC)

AT DE SE

DOCDB simple family (publication)

**WO 9419534 A1 19940901**; AU 6248394 A 19940914; EP 0689626 A1 19960103; EP 0689626 A4 19971210

DOCDB simple family (application)

**US 9401943 W 19940218**; AU 6248394 A 19940218; EP 94909766 A 19940218