

Title (en)

Press for extracting a liquid phase from a pulp-like material.

Title (de)

Presse zum Extrahieren einer in einem breiartigen Material enthaltenen Flüssigphase.

Title (fr)

Presse pour extraction d'une phase liquide contenue dans une matière analogue à une pulpe.

Publication

**EP 0125982 A1 19841121 (FR)**

Application

**EP 84400910 A 19840503**

Priority

FR 8307451 A 19830504

Abstract (en)

1. A press for the extraction of a liquid phase contained in matter similar to a pulp, by pressure of thin layers of pulp alternating with turns of a fabric having channels for evacuation of the liquid phase, characterized in that it comprises an envelope (1) which opens along a longitudinal line in order to make a first longitudinal inlet (26) appear, a shaft (10) mounted coaxially with this envelope (1) and passing through it freely, a winding drum (13) having a central hub (14) keyed in rotation onto the shaft (10) inside the envelope (1) and defining with it an annular space (15), an annular chamber (20) having a volume which may be expanded and contracted in the direction radial to the envelope (1) and partially occupying the said annular space (15), the said chamber (20) being connected to a source of fluid under pressure and having a longitudinal slit opening in order to make a second longitudinal inlet (26') appear to correspond with the first inlet (26), and a supporting fabric (27) which is attached by one end to the central hub (14) and may be wound round and unwound with respect to the latter, the envelope (1) being equipped with means of collection (4, 5, 6, 7) of the liquid phase expressed from the pulp.

Abstract (fr)

Une enveloppe (1) ouvrante pour avoir une entrée (26) contient un cylindre (13) pour l'enroulement d'une toile de support (27) alimentée en pulpe (37) provenant d'une trémie (31), cette enveloppe (1) contenant une chambre (20) également ouvrante susceptible d'être gonflée pour comprimer la pulpe entre les spires de la toile enroulée et en exprimer la phase liquide.

IPC 1-7

**B30B 9/22**; **B30B 9/02**

IPC 8 full level

**B30B 9/02** (2006.01); **B30B 9/22** (2006.01)

CPC (source: EP)

**B30B 9/02** (2013.01); **B30B 9/22** (2013.01)

Citation (search report)

- [A] FR 2426489 A2 19791221 - CHOQUENET FOND ATEL [FR]
- [A] FR 1451655 A 19660107 - G & J WEIR LTD
- [A] DE 1047741 B 19581231 - ELFRIEDE BELLMANN GEB VOGELSAN, et al
- [A] US 4191103 A 19800304 - WETTLAUER DALE E [US]
- [A] DE 1214621 B 19660421 - SÜDWESTFALEN AG STAHLWERKE
- [A] FR 2343701 A1 19771007 - BESSON PAUL [FR]

Cited by

FR2645714A1; EP0325498A1; FR2625972A1; WO2011142728A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0125982 A1 19841121**; **EP 0125982 B1 19860827**; AT E21651 T1 19860915; DE 3460549 D1 19861002; DK 156246 B 19890717; DK 156246 C 19891127; DK 219984 A 19841105; DK 219984 D0 19840503; FR 2545416 A1 19841109; FR 2545416 B1 19850712; NO 159357 B 19880912; NO 159357 C 19881221; NO 841767 L 19841105; SU 1227108 A3 19860423

DOCDB simple family (application)

**EP 84400910 A 19840503**; AT 84400910 T 19840503; DE 3460549 T 19840503; DK 219984 A 19840503; FR 8307451 A 19830504; NO 841767 A 19840503; SU 3737126 A 19840503