

Title (en)

Improvements in or relating to apparatus for dewatering fibrous suspensions on a paper forming machine.

Title (de)

Entwässerungsgeräte für Faserstoffsupensionen auf einer Papiermaschine.

Title (fr)

Appareils pour l'élimination de l'eau des suspensions des fibres sur une machine à papier.

Publication

EP 0122702 A1 19841024 (EN)

Application

EP 84301199 A 19840224

Priority

GB 8307437 A 19830317

Abstract (en)

An apparatus for dewatering a fibrous suspension comprises a suction housing (7) which has an active surface (9) by means of which water is extracted upwardly from the fibrous suspension which is trapped between top and bottom wires (1, 5). In order to provide a more efficient means of dewatering, the active surface (9) has a first open area (15) by means of which water is removed upwardly by suction, and a second part (17) downstream of the first, which urges water downwardly. The second part (17) is conveniently a solid surface. The first part of the active surface is preferably curved with a radius which decreases in the downstream direction.

IPC 1-7

D21F 1/48; **D21F 3/00**

IPC 8 full level

D21F 1/48 (2006.01); **D21F 3/00** (2006.01)

CPC (source: EP)

D21F 1/48 (2013.01); **D21F 3/00** (2013.01)

Citation (search report)

- [Y] FR 2388936 A1 19781124 - VALMET OY [FI]
- [Y] FR 2350422 A1 19771202 - AUSTRALIAN PAPER MANUFACTURERS [AU]
- [A] FR 2289671 A1 19760528 - VALMET OY [FI]
- [AP] DE 3315023 A1 19831110 - VALMET OY [FI]

Cited by

EP0346519A1; US5074964A; EP0258918A1; WO9015899A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0122702 A1 19841024; **EP 0122702 B1 19860730**; **EP 0122702 B2 19900314**; DE 3460372 D1 19860904; FI 79730 B 19891031; FI 79730 C 19900212; FI 840902 A0 19840307; FI 840902 A 19840918; GB 8307437 D0 19830427; PL 143765 B1 19880331; PL 246712 A1 19841108; ZA 841487 B 19841031

DOCDB simple family (application)

EP 84301199 A 19840224; DE 3460372 T 19840224; FI 840902 A 19840307; GB 8307437 A 19830317; PL 24671284 A 19840316; ZA 841487 A 19840228