

Title (en)

Process and apparatus for dewatering a fibre suspension

Title (de)

Verfahren und Vorrichtungen zum Entwässern einer Faserstoffsuspension

Title (fr)

Procédé et dispositif pour la déshydratation d'une suspension fibreuse

Publication

EP 0831174 B1 20021106 (DE)

Application

EP 97112834 A 19970725

Priority

DE 19635202 A 19960830

Abstract (en)

[origin: US6042735A] Process and device for draining a fibrous pulp suspension. The process may include positioning two surfaces to converge in a downstream direction, feeding the fibrous pulp suspension between the two converging surfaces, driving at least one of the two converging surfaces to move the suspension with a relative translational velocity, and draining the fibrous pulp suspension through each of the two surfaces. The device may include two arcuate surfaces positioned to form converging surfaces. One of the two arcuate surfaces may include a drivable, pivotable, and rotatable cylinder having an outer sleeve with openings, the other of the two arcuate surfaces may include a screen positioned to be guided around at least a portion of the outer sleeve. The screen and the openings may form drains for draining the fluid pulp suspension.

IPC 1-7

D21F 1/66; **D21D 1/40**

IPC 8 full level

D21D 1/40 (2006.01); **D21F 1/66** (2006.01); **D21F 1/78** (2006.01); **D21F 1/80** (2006.01)

CPC (source: EP US)

D21F 1/78 (2013.01 - EP US); **D21F 1/80** (2013.01 - EP US)

Citation (examination)

US 5167770 A 19921201 - BUBIK ALFRED [DE], et al

Cited by

US6206203B1; WO0003782A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 92102397 A 19970829; AT 97112834 T 19970725; DE 19648773 A 19961125; DE 59708657 T 19970725; EP 97112834 A 19970725