

Title (en)
APPARATUS FOR ELIMINATING LIQUIDS FROM STRANDS OF FELTED FIBROUS MATERIALS

Publication
EP 0144596 B1 19880224 (DE)

Application
EP 84111788 A 19841003

Priority
EP 83111122 A 19831108

Abstract (en)
[origin: EP0144596A2] 1. An apparatus for the extraction of liquid from fibrous matted materials obtained in the form of an elongate mass, in particular of sugar cane bagasse having a high moisture content, to which apparatus the materials are supplied in loosened form and which comprises two cooperating hollow pressing rolls (9) with a liquid collecting channel, which rolls are rotatably and drivably mounted in a supporting framework (2), wherein the peripheral wall of one pressing roll is perforated and the nip (18) between the pressing rolls is sealed in the region of its end faces by lateral boundary walls (19 and 22), and there is provided a feed device for the materials to be squeezed which extends to the lateral boundary walls and surrounds the cross-section of the inlet to the nip, characterised in that the central longitudinal axes of the two pressing rolls (9) lie in a common horizontal plane and the feed device is designed as a shaft (6) projecting beyond the inlet to the nip (18 or 22) between the pressing rolls (9), and in that the peripheral walls (10) of the two pressing rolls are not only perforated but also equipped with radially projecting entrainers (16; 16a; and 16b) in the form of knobs or strips and each pressing roll is provided with a liquid collecting channel (12).

IPC 1-7
B30B 9/20; C13C 3/00

IPC 8 full level
B30B 9/20 (2006.01); **C13B 15/00** (2011.01)

CPC (source: EP US)
B30B 9/20 (2013.01 - EP US); **C13B 20/00** (2013.01 - EP US)

Cited by
WO2020007801A1; EP3590696A1; US11534997B2; DE102020111373A1; WO2021219161A1

Designated contracting state (EPC)
AT BE DE FR GB NL

DOCDB simple family (publication)
EP 0144596 A2 19850619; EP 0144596 A3 19850724; EP 0144596 B1 19880224; AU 3468684 A 19850516; AU 566961 B2 19871105; DE 3469422 D1 19880331; EP 0140990 A1 19850515; US 4589923 A 19860520; ZA 848690 B 19850731

DOCDB simple family (application)
EP 84111788 A 19841003; AU 3468684 A 19841025; DE 3469422 T 19841003; EP 83111122 A 19831108; US 66771584 A 19841102; ZA 848690 A 19841107