

Title (en)

COMBINED CYLINDER AND PISTON PRESSING MACHINE FOR PRESSING LIQUID OUT OF A PRESSED MATERIAL

Publication

EP 0310842 B1 19920729 (DE)

Application

EP 88115272 A 19880917

Priority

DE 8713472 U 19871007

Abstract (en)

[origin: EP0310842A1] In this piston press for pressing liquid out of a material for pressing, especially out of a batch (14) of wet textiles, by means of a press ram (13) which can be moved onto the material for pressing by the piston of a pressure cylinder (10), the cylindrical casing (15) receiving the material for pressing can be closed off at the bottom by a perforated pressure plate (16). In this cylindrical casing (15), into which the material for pressing and the press ram (13) can be introduced in succession from above, the press ram (13) is connected to the orifice edge (17) of a pot-shaped elastically flexible cushion body (18). Furthermore, the press ram (13) has a connection piece (27) which can be connected to a water system in order to introduce water into the cushion body (18), the bottom of which forms a diaphragm (35) which can be pressed against the material for pressing. A line (28, 31) connects the connection piece (27) permanently to the water system, and there is a valve device (32, 33) which can be actuated from a location outside the path of movement of the press ram (13) and which can be switched selectively for the supply of water or for the removal of air. <IMAGE>

IPC 1-7

B30B 9/06; B30B 15/06; D06F 47/06

IPC 8 full level

B30B 9/04 (2006.01); **B30B 9/06** (2006.01); **B30B 9/22** (2006.01); **B30B 15/06** (2006.01); **D06B 5/00** (2006.01); **D06B 15/00** (2006.01); **D06B 15/02** (2006.01); **D06F 47/00** (2006.01); **D06F 47/06** (2006.01); **D06F 51/00** (2006.01)

CPC (source: EP US)

B30B 9/04 (2013.01 - EP US); **B30B 9/22** (2013.01 - EP US); **B30B 15/065** (2013.01 - EP US); **D06F 47/00** (2013.01 - EP US)

Cited by

EP4198187A1; CN105563868A; EP0689932A1; FR2721855A1; CN105544123A; DE202020000223U1; EP3854932A1; US11661698B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 8713472 U1 19880114; DE 3873245 D1 19920903; EP 0310842 A1 19890412; EP 0310842 B1 19920729; JP H01124670 A 19890517; JP H036272 B2 19910129; US 5001911 A 19910326

DOCDB simple family (application)

DE 8713472 U 19871007; DE 3873245 T 19880917; EP 88115272 A 19880917; JP 25002388 A 19881005; US 25458288 A 19881007