

Title (en)

Safety front door for baling presses

Title (de)

Sicherheitsfronttür für Ballenpressen

Title (fr)

Porte frontale de sécurité pour presses à balles

Publication

EP 0723857 B1 19990421 (DE)

Application

EP 95119304 A 19951207

Priority

DE 4446459 A 19941227

Abstract (en)

[origin: US5685219A] A safety front door for a baling press having a vertically acting pressure ram for producing tied bales of old cardboard, foils and other used packaging material, wherein the door area for the filling shaft of the press is constructed as a flap which can be opened by manually swinging it about a horizontal axis into an essentially horizontal position. In the horizontal plane, the flap is divided by an additional hinge and, in the final opening position of the flap, the forward free flap portion extends in an approximately vertical direction relative to the press bottom portion. The upper side of the frame of the front door and the door sliding angle attached to the housing are located approximately by a hand's width above the upper side of the pressure ram plate when the pressure ram is in its uppermost end position. In addition to hinges, the two portions of the filling shaft flap are connected to the front door frame through gas springs or similar braking elements, so that the forward free flap portion is swung down into the vertical position only after the entire flap has reached the horizontal position.

IPC 1-7

B30B 9/30

IPC 8 full level

B30B 9/30 (2006.01); **B30B 15/00** (2006.01)

CPC (source: EP US)

B30B 9/3032 (2013.01 - EP US)

Designated contracting state (EPC)

AT DE DK ES FR GB SE

DOCDB simple family (publication)

US 5685219 A 19971111; AT E179112 T1 19990515; DE 19545766 A1 19960704; DE 19545766 C2 19990107; DE 59505707 D1 19990527; DK 0723857 T3 19991025; EP 0723857 A2 19960731; EP 0723857 A3 19970205; EP 0723857 B1 19990421; ES 2134990 T3 19991016; JP H08224695 A 19960903

DOCDB simple family (application)

US 57680395 A 19951221; AT 95119304 T 19951207; DE 19545766 A 19951207; DE 59505707 T 19951207; DK 95119304 T 19951207; EP 95119304 A 19951207; ES 95119304 T 19951207; JP 34042995 A 19951227