

Title (en)

METHOD FOR BALING FIBROUS MATERIAL AND A BALING PRESS THEREFOR

Publication

EP 0014923 B1 19870826 (DE)

Application

EP 80100660 A 19800208

Priority

- DE 2906229 A 19790217
- DE 2911958 A 19790327

Abstract (en)

[origin: EP0014923A1] 1. A process for the packaging of fibrous material in bales by multi-stage compression with several first-stage presses (1, 50), where the prepressed material is transported in box-shaped, doorless containers (3), optionally with the possibility of stand-by positions, to a central press (4, 71), where the pre-pressed material is pressed completely into a bale and then packaged, and where the empty containers (3) are transported back to the first-stage presses, characterized in that containers (3) are used for the packaging of stable fibers or tows, which are designed for the final compression in the central press (4, 71), having a bottom plate (15), which is releasable from the solid casing (13), transporting the containers (3) from the first-stage presses (1, 50) to a central press (4, 71), which is working independently from the operation cycles of the first-stage presses, on one or more non-circular paths, optionally with intermediate storage, taking up the containers (3) by the central press (4, 71) in an optional order, completely removing the casing (13) of the container (3) after the final compression of the material in the container (3) by the action of the central press (4, 71) and its ram (27), while maintaining the material subjected to the force of the press and packaging the bale, and after retraction of the ram (27) removing the bale from the central press (4, 71) and re-combining of the bottom plate (15) and the casing (13) for its transporting back on one or more non-circular paths.

IPC 1-7

B30B 9/30; B65B 27/12

IPC 8 full level

B30B 9/30 (2006.01); **B30B 15/30** (2006.01); **B65B 13/20** (2006.01); **B65B 27/12** (2006.01)

CPC (source: EP)

B30B 9/3075 (2013.01); **B30B 9/3078** (2013.01); **B65B 27/125** (2013.01)

Cited by

EP0308985A1; US5074101A; EP0075162A1; EP4074501A1; EP2746039A3; EP0695690A1; DE20017405U1; EP0441753A1; EP0405488A1; US4953344A; DE4015643A1; US5317851A; EP0264757A1; DE3218063A1; EP0029977A1; WO2005012098A1; WO91117923A1; WO2013025113A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0014923 A1 19800903; EP 0014923 B1 19870826; DE 3072015 D1 19871001; JP H04242513 A 19920831; JP H0613330 B2 19940223; JP S55116524 A 19800908

DOCDB simple family (application)

EP 80100660 A 19800208; DE 3072015 T 19800208; JP 10619691 A 19910513; JP 1672780 A 19800215