

Title (en)

Method for fixing expansive fiber bale and bale made with such method

Title (de)

Verfahren zur Herstellung von Ballen aus gepressten elastischen Fasern und nach diesem Verfahren hergestellte Balle

Title (fr)

Procédé pour fixer des balles de fibres gonflantes et balle obtenue selon ce procédé

Publication

EP 1916190 A1 20080430 (EN)

Application

EP 06022281 A 20061025

Priority

EP 06022281 A 20061025

Abstract (en)

System to fix expansive fiber bale and bale with applied system applicable to expansive fibers in general, such as a. g. cotton, wool, cork and other similar materials which fibers are naturally expansive, which should be compacted for transport and storage; to compose the expansive fiber bale (1), a conventional press (2) which can be provided with different numbers of trays (3) is used; the system requires the use of a press (2) in which a given volume of expansive fibers compressed and compacted to form the expansive fiber bale (1), being the press (2) plates provided with a number of trays (3); the system includes plastics. bands (4) developing paths defining parallel (P) and crossed (C1) contours, forming sections (8) at each given quantity of trays (3); the system allows to obtain an expansive fiber bale (1) from the operation of the press (2) which plates define trays (3) in confronting positions, so to configure with the press (2) a folding side (L) and feeding side (L1). The resulting bale (1) is an expansive fiber bale fixed by plastic bands applied to corresponding trays (3), following as many sections (S) as required, following parallel and crossed contours and with the locking of said plastic bands (4) being assured by claw type edges (5) always inserted between a band (4) and the bale (1), being the location of said edges (5) inverted at the two ends defining each section (S).

IPC 8 full level

B65B 27/12 (2006.01)

CPC (source: EP)

B65B 27/12 (2013.01)

Citation (search report)

- [X] WO 2005059209 A2 20050630 - LOPES JOSE CARLOS GOMES [BR]
- [X] US 4599939 A 19860715 - FLEISSNER GEROLD [CH]
- [X] US 505580 A 18930926
- [A] US 2003028289 A1 20030206 - DANIEL BART [US], et al
- [A] US 7111547 B1 20060926 - DANIEL BARTON W [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1916190 A1 20080430; EA 200700470 A1 20080428

DOCDB simple family (application)

EP 06022281 A 20061025; EA 200700470 A 20070320