

Title (en)

Process for production of wood fiber insulating panels

Title (de)

Verfahren zur Herstellung einer Holzfaserdämmstoffplatte bzw. -matte

Title (fr)

Process for production of wood fiber insulating panels

Publication

**EP 1674224 B1 20110323 (DE)**

Application

**EP 05090341 A 20051219**

Priority

DE 102004062649 A 20041221

Abstract (en)

[origin: EP1674224A1] Manufacturing method involves installing of wood fibers and binding fibers from bale openers over separate weighing devices downstreamed to bale openers in desired mixture ratio equally in blowing line. Wood fibers and binding fibers are conveyed pneumatically to a storage tank through blowing line. Fiber mixture is blown from the storage tank on first transport band under spatial adjustment of fibers. A thermally activated synthetic granule is spread out on the fiber mat over the entire width. The deposited mat defibers at the end of the first transport band and blown after reblending on a second transport band under spatial adjustment of the fiber. The thickness of the deposited mat is adjusted by the velocity of circulation of second transport band, alternatively a fiber mat, fiber core or a foil is applied. The final thickness of the wood fiber insulating board is from 3 to 350 mm, preferably 4 to 250 mm, by calibration and/or compression. Independent claims are also included for the following: (A) Wood fiber insulating board and/or mat; (B) Wood fiber acoustic insulating board; (C) Wood fiber insulating board for absorber or resonator; (D) Wood fiber/Flax fibre-insulating board; (E) Wood fiber impact sound insulating mat for laminating- and parquet-floors; (F) Wood fiber insulating board as surface board in the dry mortarless construction; (G) Wood fiber rafter top insulating board; (H) Wood fiber-WDVS-carrier board; and (I) Passage safe wood fiber insulating board.

IPC 8 full level

**B27N 3/00** (2006.01); **B27N 3/04** (2006.01); **B27N 3/14** (2006.01)

CPC (source: EP US)

**B27N 3/002** (2013.01 - EP US); **B27N 3/04** (2013.01 - EP US); **B27N 3/14** (2013.01 - EP US)

Cited by

EP3150345A1; EP3170635A1; RU2684738C1; CN110142831A; RU2766676C2; WO2017198473A1; WO2015155105A1; US10730202B2; EP3725482A1; WO2016135415A1; WO2017084884A1; US11905717B2; US10369721B2; US11072087B2

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