

## 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 A1 20060628 (DE)**

## Application

**EP 05090341 A 20051219**

## Priority

DE 102004062649 A 20041221

## Abstract (en)

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

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

## Citation (applicant)

- DE 10056829 A1 20020620 - STEICO AG [DE]
- EP 1582646 A1 20051005 - KRONOTEC AG [CH]
- WO 0227091 A2 20020404 - ARACO KK [JP], et al

## Citation (search report)

- [DXA] DE 10056829 A1 20020620 - STEICO AG [DE]
- [PX] US 2005214537 A1 20050929 - POHLMANN CEVIN M [DE]
- [A] US 2004026012 A1 20040212 - KATO TAKEHIRO [JP], et al
- [A] WO 9922084 A1 19990506 - AISLO OY [FI], et al

## Cited by

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

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## DOCDB simple family (application)

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