

Title (en)

Process and apparatus for adding glue to a flow of loose wood materials

Title (de)

Verfahren und Vorrichtung für Zugabe von Klebemittel zur einem Strom aus loseem Holzmaterial

Title (fr)

Procédé et appareil pour ajouter de la colle à un écoulement de matériau ligneux en vrac

Publication

**EP 1468799 A2 20041020 (EN)**

Application

**EP 04075834 A 20040315**

Priority

IT MO20030104 A 20030415

Abstract (en)

The plant comprises a device (2) for feeding a mass of loose wood material, consisting of particles, to a loading conduit (3) of a mixer (4) provided with an inlet (4a) for the mass of wood material and an outlet (4b), and also comprises means (5) for sending a flow of air into the loading conduit (3) and means for injecting (6) glue into the mass of wood material upstream of an entry of the wood material into the mixer (4). The process comprises: feeding a mass of loose wood material in particle form from a device (2) to a loading hopper (7) of a mixer (4); sending a flow of hot air into the hopper (7); atomising and injecting glue into the mass of loose wood material upstream of an inlet of the wood material into the mixer (4) by means of at least one injector (12) associated to a lateral surface of the hopper (7); sending the mass of wood material when mixed with the glue internally of the mixer (4); sending the mass of wood material mixed with the glue onto subsequent work stations. <IMAGE>

IPC 1-7

**B27N 1/02**

IPC 8 full level

**B27N 1/02** (2006.01)

CPC (source: EP)

**B27N 1/0263** (2013.01)

Citation (applicant)

- EP 1022103 A2 20000726 - CMP SPA [IT]
- DE 4115047 C1 19920716

Cited by

WO2011134844A1; CN104812540A; CN103269836A; CN103496027A; CN102947065A; ITMO20100132A1; CN115592764A; US8012389B2; WO2012089774A1; WO2012167991A1; US9511508B2; US10150227B2; DE202011110504U1; EP2563558B1

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