

Title (en)

APPARATUS FOR INJECTING CHEMICAL COMPONENTS INTO A FLOW OF LOOSE WOODEN MATERIAL

Title (de)

VORRICHTUNG ZUR INJEKTION CHEMISCHER KOMPONENTEN IN EINEN STROM AUS LOSEN HOLZMATERIALIEN

Title (fr)

APPAREIL POUR INJECTER DES COMPOSANTS CHIMIQUES DANS UN FLUX DE BOIS EN VRAC

Publication

**EP 2563558 A1 20130306 (EN)**

Application

**EP 11714342 A 20110419**

Priority

- IT MO20100132 A 20100430
- EP 2011056243 W 20110419

Abstract (en)

[origin: WO2011134844A1] An apparatus (1) for injecting chemical components into a flow of loose wooden material, comprising a tubular body (2) which is provided with at least one inlet (3), which can be associated with means (D) for feeding loose wooden material, and with at least one outlet (4), which can be associated with a mixer (M), and which is crossed internally by a flow (F) of the loose wooden material from the inlet (3) toward the outlet (4), and means (5) for injecting at least one chemical component toward the flow (F) of loose wooden material, which are associated internally with respect to the tubular body (2). Scraper means (8) being provided which are associated with the internal wall (7) of the tubular body (2) and can move tangentially with respect to it, means (9) being further provided for actuation with a relative motion of at least one of the tubular body (2) and the scraper means (8) with respect to each other.

IPC 8 full level

**B27N 1/02** (2006.01)

CPC (source: EP)

**B27N 1/0263** (2013.01)

Citation (search report)

See references of WO 2011134844A1

Citation (third parties)

Third party :

- DE 3728123 A1 19890302 - HOECHST AG [DE]
- DE 19930800 A1 20000217 - FRAUNHOFER GES FORSCHUNG [DE]
- DE 10226820 B3 20040401 - FLAKEBOARD COMPANY LTD ST STEP [CA], et al
- DE 10347052 A1 20050504 - SCHENKMANN PIEL ENGINEERING GM [DE]
- EP 0728562 A2 19960828 - SCHENCK AG CARL [DE]
- EP 1504865 A2 20050209 - DIEFFENBACHER GMBH MASCHF [DE], et al
- DE 10139966 C2 20031204 - KRONOSPAN TECH CO LTD [CY]
- DE 10104047 A1 20020814 - LEONHARTSBERGER JOHANN [AT]
- EP 0046569 A2 19820303 - DRAISWERKE GMBH [DE]

Cited by

DE102019114039A1; WO2020239727A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2011134844 A1 20111103**; CN 102947065 A 20130227; CN 102947065 B 20160224; DE 202011110504 U1 20140515; EP 2563558 A1 20130306; EP 2563558 B1 20180620; IT 1399772 B1 20130503; IT MO20100132 A1 20111031

DOCDB simple family (application)

**EP 2011056243 W 20110419**; CN 201180021933 A 20110419; DE 202011110504 U 20110419; EP 11714342 A 20110419; IT MO20100132 A 20100430