

Title (en)

METHODS AND INSTALLATION FOR PRODUCING A PARTICLE MAT FROM AT LEAST ONE SPREAD LAYER

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG EINER STREUGUTMATTE AUS ZUMINDEST EINER GESTREUTEN SCHICHT

Title (fr)

PROCÉDÉ ET INSTALLATION DE FABRICATION D'UN MAT DE MATÉRIAU GRANULAIRE CONSTITUÉ D'AU MOINS UNE COUCHE DISTRIBUÉE

Publication

**EP 2531331 B1 20180711 (DE)**

Application

**EP 11710668 A 20110205**

Priority

- DE 102010001649 A 20100205
- EP 2011000540 W 20110205

Abstract (en)

[origin: WO2011095356A1] The invention relates to methods and an installation for producing a particle mat (7) from at least one layer of particles (9) on a continuously revolving forming belt (8) by means of at least one spreading head (1) during the pressing of the particle mat (7) in a press (22) to give a material board. The particles (9) are discharged as a material flow (24) with a substantially even metering weight per unit area (DFG) across a width (B1) at a right angle and with a length (L) in the direction of production (11) of the forming belt (8) by means of a metering device (15) and are spread onto the forming belt (8) across a width (B2) in an oriented and/or non-oriented manner by at least one spreader (14). At least one mechanical guiding device (5) between the metering device (15) and the spreader (14) moves the particles (9) in the material flow (24) at least to some extent substantially at a right angle to the direction of production (11) of the forming belt (8) and/or stabilizes the particles (9) in the material flow (24) to at least some extent in its movement in the direction of movement (12). The invention further relates to a particle mat to be pressed in a press (1400).

IPC 8 full level

**B27N 3/14** (2006.01); **B27N 3/18** (2006.01)

CPC (source: EP)

**B27N 3/146** (2013.01); **B27N 3/18** (2013.01)

Citation (examination)

EP 0292581 A1 19881130 - SCHENCK AG CARL [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102010001649 A1 20110811**; CN 102802895 A 20121128; CN 102802895 B 20160803; EP 2531331 A1 20121212; EP 2531331 B1 20180711; WO 2011095356 A1 20110811

DOCDB simple family (application)

**DE 102010001649 A 20100205**; CN 201180007690 A 20110205; EP 11710668 A 20110205; EP 2011000540 W 20110205