

Title (en)  
Process and apparatus for the production of a mineral fibreboard

Title (de)  
Verfahren und Vorrichtung zur Herstellung einer Mineralfaserplatte

Title (fr)  
Procédé et appareil de production d'un panneau en fibres minérales

Publication  
**EP 1111113 B1 20080514 (EN)**

Application  
**EP 01102183 A 19970324**

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Abstract (en)  
[origin: WO9736035A1] In a continuous process for the production of a bonded mineral fibreboard a fleece is compressed in the thickness direction to a first thickness substantially without simultaneous longitudinal compression and then compressed in length, no further thickness compression preferably taking place before the bonding of the fleece. During the longitudinal compression the precompressed fleece is clamped to a thickness in the range of between approximately 1 and 1.3, preferably between 1 and 1.1 of the nominal thickness of the finished product. The preferably single-stage longitudinal compression to 2 to 10 times the weight/unit area of the precompressed fleece is substantially carried out so as to avoid any pleating of the fleece and prevent any break-out of the fleece between the longitudinal compression unit (19; 19') and the bonding station (25). A multiply bonded mineral fibreboard may be obtained by longitudinally compressing of fleece and then dividing it into two or more layers, subjecting at least one of these layers to thickness and/or longitudinal compression and then recombining them.

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
EP2100993A1; EP2100992A1; RU2469134C2; EP1571247A3; EP1826335A1; WO03018933A1; US10703668B2; US11939255B2; EP2180104A1; WO2010046074A1; EP3216933A1; EP2281962B1; EP3564423B1; EP3564423B2; EP1571247B2

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