

Title (en)  
MINERAL FIBRE BATTS

Title (de)  
GLASFASERMATTEN

Title (fr)  
NAPPES DE FIBRES MIN RALES

Publication  
**EP 1456451 B1 20091021 (EN)**

Application  
**EP 02796696 A 20021220**

Priority  
• EP 02796696 A 20021220  
• EP 0214629 W 20021220  
• EP 01310773 A 20011221

Abstract (en)  
[origin: WO03054270A1] A dual density mineral fibre batt has an upper layer having a density of 100 to 300kg/m<sup>3</sup> intermeshed with a lower layer having a lower density, and wherein each layer is formed of a bonded non-woven mineral fibre network the fibre orientation of which has a Tau value determined by Fourier Transformation of scanned images of a thickness cross section X of below 5. Dual density batts may be made by dividing a non-woven web into upper and lower subwebs and subjecting the upper sub-web to thickness compression and lengthwise compression greater than is required to compensate for the thickness compression, and then subjecting the upper sub-web to lengthwise stretching and/or the lower sub-web to lengthwise compression and rejoining the sub-webs and curing the resultant batt.  
[origin: WO03054270A1] A dual density mineral fibre batt has an upper layer having a density of 100 to 300kg/m<sup>3</sup> intermeshed with a lower layer having a lower density, and wherein each layer is formed of a bonded non-woven mineral fibre network the fibre orientation of which has a Tau value (determined by Fourier Transformation of scanned images of a thickness cross section X) of below 5. Dual density batts may be made by dividing a non-woven web into upper and lower subwebs and subjecting the upper sub-web to thickness compression and lengthwise compression greater than is required to compensate for the thickness compression, and then subjecting the upper sub-web to lengthwise stretching and/or the lower sub-web to lengthwise compression and rejoining the sub-webs and curing the resultant batt.

IPC 8 full level  
**D04H 1/00** (2006.01); **D04H 1/4209** (2012.01); **D04H 1/4218** (2012.01); **D04H 1/74** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)  
**D04H 1/4209** (2013.01); **D04H 1/4218** (2013.01); **D04H 1/74** (2013.01); **D04H 13/00** (2013.01)

Cited by  
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DOCDB simple family (publication)  
**WO 03054270 A1 20030703**; AT E446402 T1 20091115; AU 2002361183 A1 20030709; DE 60234121 D1 20091203; DK 1456451 T3 20100201; EP 1456451 A1 20040915; EP 1456451 B1 20091021; ES 2334649 T3 20100315; PL 214243 B1 20130731; PL 369977 A1 20050502; PT 1456451 E 20100107; SI 1456451 T1 20100226

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