

Title (en)  
MINERAL FIBRE BATTS AND THEIR PRODUCTION

Title (de)  
GLASFASERMATTEN UND IHRE HERSTELLUNG

Title (fr)  
MATELAS DE FIBRES MINERALES ET LEUR PRODUCTION

Publication  
**EP 1456444 B2 20140101 (EN)**

Application  
**EP 02805344 A 20021220**

Priority

- EP 02805344 A 20021220
- EP 0214640 W 20021220
- EP 01310777 A 20011221

Abstract (en)  
[origin: WO03054264A1] A dual density mineral fibre batt is made by splitting a web (1) into upper and lower sub-webs (5 and 6) and then subjecting both sub-webs independently to treatments selected from lengthwise compression, lengthwise stretching and thickness compression and then re-joining the sub-webs. The lower layer of a novel dual density batt has Tau and Kappa values (determined by Fourier Transformation of scanned images of thickness cross sections X and Y in the lengthwise production direction and transverse to this) in which KX is usually greater than Ky and greater than 2.5 and TX is usually greater than Ty.

IPC 8 full level  
**D04H 1/00** (2006.01); **D04H 1/4218** (2012.01); **D04H 1/44** (2006.01); **D04H 1/70** (2012.01); **D04H 1/736** (2012.01); **D04H 1/74** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)  
**D04H 1/4218** (2013.01); **D04H 1/4226** (2013.01); **D04H 1/44** (2013.01); **D04H 1/732** (2013.01); **D04H 1/736** (2013.01); **D04H 1/74** (2013.01)

Citation (opposition)  
Opponent :

- WO 9736035 A1 19971002 - ROCKWOOL INT [DK], et al
- WO 8800265 A1 19880114 - ROCKWOOL INT [DK]
- US 2001006716 A1 20010705 - BRANDT KIM [DK], et al
- EP 0600106 A1 19940608 - LAWTON C A CO [US]
- WO 9416162 A1 19940721 - ROCKWOOL INT [DK], et al
- WO 9947766 A1 19990923 - ROCKWOOL INT [DK], et al
- JP H09158100 A 19970617 - DAIKEN TRADE & INDUSTRY

Cited by  
US2013295813A1; WO2012076462A1; EP2886522A1; WO2012010694A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

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**WO 03054264 A1 20030703**; AT E448345 T1 20091115; AU 2002356778 A1 20030709; DE 60234383 D1 20091224; DK 1456444 T3 20100301; DK 1456444 T4 20140303; EP 1456444 A1 20040915; EP 1456444 B1 20091111; EP 1456444 B2 20140101; ES 2334776 T3 20100316; ES 2334776 T5 20140306; PL 200843 B1 20090227; PL 370360 A1 20050516; PT 1456444 E 20100115; SI 1456444 T1 20100331; SI 1456444 T2 20140430

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