

Title (en)
Insulating material

Title (de)
Dämmstoff

Title (fr)
Isolant

Publication
EP 2711478 A3 20141001 (DE)

Application
EP 13004251 A 20130829

Priority
DE 102012018481 A 20120919

Abstract (en)
[origin: EP2711478A2] Thermally bonded nonwoven fabric made of insulating material, is claimed. The nonwoven fabric fibers have a fiber orientation that extends in the Y and Z direction of the insulating material.

IPC 8 full level
E04B 1/88 (2006.01); **D04H 1/541** (2012.01); **D04H 1/60** (2006.01); **D04H 1/736** (2012.01); **D04H 1/74** (2006.01); **E04B 1/76** (2006.01)

CPC (source: EP US)
D04H 1/5412 (2020.05 - EP US); **D04H 1/5418** (2020.05 - EP US); **D04H 1/60** (2013.01 - EP); **D04H 1/736** (2013.01 - EP);
D04H 1/74 (2013.01 - EP); **E04B 1/7662** (2013.01 - EP); **E04B 1/88** (2013.01 - EP); **E04B 2001/7687** (2013.01 - EP)

Citation (search report)
• [X] WO 2009056745 A2 20090507 - ELYSEES BALZAC FINANCIERE [FR], et al
• [X] WO 2004046443 A1 20040603 - 3M INNOVATIVE PROPERTIES CO [US]
• [X] WO 0066824 A1 20001109 - KIMBERLY CLARK CO [US]
• [X] EP 0295038 A2 19881214 - MINNESOTA MINING & MFG [US]
• [X] WO 2008046924 A1 20080424 - RIETER TECHNOLOGIES A G [CH], et al
• [X] WO 2005054558 A2 20050616 - RIETER PERFOJET [FR], et al

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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2711478 A2 20140326; EP 2711478 A3 20141001; DE 102012018481 A1 20140320

DOCDB simple family (application)
EP 13004251 A 20130829; DE 102012018481 A 20120919