

Title (en)
Insulation material

Title (de)
Isolations-Material

Title (fr)
Materiau d'isolation

Publication
EP 1321554 A1 20030625 (DE)

Application
EP 02022994 A 20021015

Priority
DE 10163576 A 20011221

Abstract (en)
An insulation material for sound wave absorption and for thermal insulation containing thermoplastic staple fibers as matrix fibers and thermoplastic adhesive melt fibers containing a mechanically and thermally strengthened nonwoven, where the nonwoven has a ratio V_{air} to V_{fiber} exceeding 40:1, where V = volume, a weight related flexural stiffness of less than 0.5, and a separating strength of at least 3N/5 cm.

Abstract (de)
Isolations-Material zur Absorption von Schallwellen und zur thermischen Isolierung aus thermoplastische Stapelfasern enthaltendem mechanisch und thermisch verfestigtem Vliesstoff. Der Vliesstoff des Isolations-Materials hat ein Volumen-Verhältnis von größer 40 : 1 zwischen Luft und Faserstoff, besitzt ein gewichtsbezogenes Biegesteifigkeitsverhältnis von kleiner 0,5 und hat eine Trennfestigkeit von mindestens 3N/5cm.

IPC 1-7
D04H 1/54; D04H 1/46; D04H 1/44; E04B 1/74; E04B 1/78; D04H 1/42

IPC 8 full level
D04H 1/46 (2012.01); **D04H 1/54** (2012.01); **D04H 1/55** (2012.01); **E04B 1/88** (2006.01); **E04B 1/76** (2006.01)

CPC (source: EP)
D04H 1/46 (2013.01); **D04H 1/54** (2013.01); **D04H 1/55** (2013.01); **E04B 1/88** (2013.01); **E04B 2001/7687** (2013.01)

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