

Title (en)
Sound absorbing material

Title (de)
Schallabsorptionsmaterial

Title (fr)
Matériau d'absorption acoustique

Publication
EP 2573244 B1 20150218 (DE)

Application
EP 12006446 A 20120914

Priority
• EP 11007649 A 20110920
• EP 12006446 A 20120914

Abstract (en)
[origin: EP2573243A1] Producing a nonwoven fabric comprising at least two polymers, where the melting point of at least one first polymer is located above the melting point of at least a second polymer, comprises providing multicomponent fibers, which comprise at least two polymers having different melting points, and carrying out surface bonding of the multicomponent fibers by the application of a temperature of 100-300[deg] C and a pressure of 40-150 N/mm, such that at least one first polymer in the form of elementary segments are distributed in a matrix of at least one second polymer. Independent claims are also included for (i) the nonwoven fabric formed as a base material for coating with films produced by the above mentioned method, which exhibits a bending stiffness of 1-10 N/mm², measured according to DIN 53 350 at a bending angle of 10% and/or the bending stiffness of 2-13 N/mm² at the bending angle of 40%, and (ii) a composite material comprising at least one first layer, which include non-woven fabric and at least one second layer, preferably as a film.

IPC 8 full level
D04H 3/14 (2012.01); **D04H 3/005** (2012.01); **D04H 3/153** (2012.01); **E04B 1/72** (2006.01)

CPC (source: EP)
D04H 3/005 (2013.01); **D04H 3/14** (2013.01); **D04H 3/153** (2013.01)

Citation (examination)
WO 2009085679 A1 20090709 - 3M INNOVATIVE PROPERTIES CO [US], et al

Cited by
US11541829B2

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

DOCDB simple family (publication)
EP 2573243 A1 20130327; **EP 2573243 B1 20150211**; EP 2573244 A1 20130327; EP 2573244 B1 20150218; EP 2758580 A1 20140730; EP 2758580 B1 20161102; WO 2013041193 A1 20130328

DOCDB simple family (application)
EP 11007649 A 20110920; EP 12006446 A 20120914; EP 12765995 A 20120911; EP 2012003804 W 20120911