

Title (en)

SMALL MATTRESS-LIKE GLASS FIBRE STRUCTURE AND METHOD FOR ITS MANUFACTURE

Title (de)

KLEINE MATRATZENARTIGE GLASFASERSTRUKTUR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

PETITE STRUCTURE DE FIBRE DE VERRE EN FORME DE MATELAS ET PROCEDE POUR SA FABRICATION

Publication

EP 1861592 A1 20071205 (EN)

Application

EP 06701623 A 20060112

Priority

- IT 2006000013 W 20060112
- IT RM20050107 A 20050310

Abstract (en)

[origin: WO2006095373A1] A method for filling with sound absorbing material (1) the mufflers of internal combustion engines. The sound absorbing material (1), normally consisting of glass fibre, is wound - according to the method of the invention - around a reel- winder or simply around a tube with a diameter corresponding to the distance between the baffles which delimit (confine) the ducts (2) of the muffler. The length of the reel-winder or the tube is equal to the total circumference of the ducts (2) around which the fibre will be wound in order to obtain a soundproofing mass specifically realised to fill up the volume. The soundproofing mass obtained in this way, after its extraction from the tube or reel-winder on which it was wound, will first be squeezed and thereafter sewn in one or more of its parts, to facilitate its handling.

IPC 8 full level

F01N 1/24 (2006.01); **F01N 1/10** (2006.01); **F01N 13/16** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)

D04H 3/004 (2013.01); **D04H 3/073** (2013.01); **F01N 1/04** (2013.01); **F01N 13/18** (2013.01); **F01N 2310/02** (2013.01); **F01N 2450/06** (2013.01)

Citation (search report)

See references of WO 2006095373A1

Cited by

EP2990623A1; DE102011012202A1; CN104033212A; DE102011012202B4; WO2016020851A1; US8708096B2; DE102011012156A1; WO2012113866A1; DE202012012979U1; WO2012113867A1; DE202012012942U1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006095373 A1 20060914; AT E460569 T1 20100315; DE 602006012814 D1 20100422; EP 1861592 A1 20071205; EP 1861592 B1 20100310; IT RM20050107 A1 20060911

DOCDB simple family (application)

IT 2006000013 W 20060112; AT 06701623 T 20060112; DE 602006012814 T 20060112; EP 06701623 A 20060112; IT RM20050107 A 20050310