

Title (en)

Sound absorbing material, muffler using the sound absorbing material, and method for forming sound absorbing layer thereof

Title (de)

Schallschluckendes Material, Schalldämpfer mit diesem schallschluckenden Material, und Verfahren zur Formung einer schallschluckenden Schicht hierfür

Title (fr)

Matériau absorbant acoustique, silencieux employant ce matériau absorbant acoustique, et procédé de formation d'une couche absorbante pour le silencieux

Publication

EP 1217184 B1 20030604 (EN)

Application

EP 00127435 A 20001214

Priority

EP 00127435 A 20001214

Abstract (en)

[origin: EP1217184A1] In order to provide a sound absorbing material superior in acid resistance, alkali resistance and sound absorbing quality and a sound absorbing layer using this sound absorbing material, multiple pieces of basalt yarn (1a) obtained by dissolving basalt to be continuous fibers are bundled by a fiber bundling agent to acquire a bundled material (1), and the bundled material (1) is fibrillated to obtain a bulky sound absorbing material (2). Moreover, the sound absorbing material (2) is arranged on the outer periphery of a perforated pipe (4) constituting a muffler to form a sound absorbing layer (6). <IMAGE>

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CPC (source: EP)

F01N 1/24 (2013.01); **F01N 2310/02** (2013.01); **F01N 2450/06** (2013.01)

Citation (examination)

US 5926954 A 19990727 - WOLF JERRY M [US], et al

Cited by

US9249726B2; CN115714064A; US2014054106A1; US9133754B2; CN103502586A; US2014060964A1; US7896129B2; WO2012113867A1; WO2007061133A1

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