

Title (en)

Absorbent structure for reducing the noise generated in particular by a rotor and fairing comprising such a structure

Title (de)

Schallabsorptionsstruktur zum Dämpfen von Geräuschen, die hauptsächlich durch einen Rotor erzeugt werden, und eine solche Struktur umfassende Verkleidung

Title (fr)

Structure absorbante pour l'atténuation de bruits générés notamment par un rotor et carénage comportant une telle structure

Publication

**EP 2071561 B1 20210203 (FR)**

Application

**EP 08020965 A 20081203**

Priority

FR 0708699 A 20071214

Abstract (en)

[origin: EP2071561A2] The structure has a separation unit for arranging a porous wall (4) at fixed distance from a rigid baffle (1) made of glass fiber by defining cavities (3) with a height (h1) between the porous wall and the baffle, where the height is determined to obtain maximum absorption of acoustic waves emitted at basic frequency. An additional porous wall is arranged in the cavities at intermediate height to obtain maximum absorption for another basic frequency. The porous walls have an absorbent layer made of fine-mesh fence and another absorbent layer made of fiber felt.

IPC 8 full level

**G10K 11/172** (2006.01)

CPC (source: EP US)

**G10K 11/172** (2013.01 - EP US)

Citation (examination)

GB 2059341 A 19810423 - ROHR INDUSTRIES INC

Cited by

EP2913269A1; EP2913270A1; EP2913271A1; WO2015023389A1; EP2706009A1; US9266602B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2071561 A2 20090617; EP 2071561 A3 20170517; EP 2071561 B1 20210203**; CA 2646933 A1 20090614; CA 2646933 C 20130521; CN 101458926 A 20090617; CN 101458926 B 20120704; FR 2925208 A1 20090619; FR 2925208 B1 20160701; JP 2009145891 A 20090702; US 2009152395 A1 20090618; US 7779965 B2 20100824

DOCDB simple family (application)

**EP 08020965 A 20081203**; CA 2646933 A 20081210; CN 200810186825 A 20081212; FR 0708699 A 20071214; JP 2008316313 A 20081212; US 33061008 A 20081209