

Title (en)

POROUS METAL BODIES USED FOR ATTENUATING AVIATION TURBINE NOISE

Title (de)

ZUR DÄMPFUNG VON FLUGZEUGTURBINENGERÄUSCH VERWENDETE PORÖSE METALLKÖRPER

Title (fr)

CORPS POREUX METALLIQUE PROPRE A ATTENUER LE BRUIT DES TURBINES AERONAUTIQUES

Publication

EP 1982323 B1 20171108 (FR)

Application

EP 06847101 A 20061221

Priority

- FR 2006002823 W 20061221
- FR 0513263 A 20051223

Abstract (en)

[origin: FR2895554A1] A porous metal body with two opposing main surfaces, able to reduce noise from an aircraft jet engine, has pores (1, 2) in the form of cylindrical channels emerging through the first of their ends into the engine casing and closed at their opposite ends. Each channel has a diameter (D) of between 0.1 and 0.3 mm and is situated, on at least a part of its length, at a minimal distance (e) from its closest neighbour of between 0.02 and 0.3 mm. The ration between the length and the diameter of the channels is of the order of 10 2>. Independent claims are also included for: (1) an aircraft engine casing incorporating a sector made up of this porous body; (2) the fabrication of the porous body.

IPC 8 full level

G10K 11/16 (2006.01)

CPC (source: EP US)

G10K 11/16 (2013.01 - EP US); **Y10T 29/496** (2015.01 - EP US); **Y10T 29/4998** (2015.01 - EP US); **Y10T 428/12361** (2015.01 - EP US); **Y10T 428/12479** (2015.01 - EP US); **Y10T 428/24628** (2015.01 - EP US); **Y10T 428/249921** (2015.04 - EP US)

Cited by

EP1873751B1; EP1873751B2

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DOCDB simple family (publication)

FR 2895554 A1 20070629; **FR 2895554 B1 20080321**; CA 2634548 A1 20070712; CA 2634548 C 20151124; EP 1982323 A1 20081022; EP 1982323 B1 20171108; ES 2658684 T3 20180312; JP 2009521637 A 20090604; RU 2008130380 A 20100127; RU 2389084 C2 20100510; US 2010221570 A1 20100902; US 7963364 B2 20110621; WO 2007077343 A1 20070712

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