

Title (en)

NOISE REDUCTION DEVICE FOR TURBOJET NACELLE WITH MOBILE CHEVRONS, AND ASSOCIATED NACELLE

Title (de)

SCHALLDÄMPFUNGSVORRICHTUNG FÜR EINE STRAHLTURBINENGONDEL MIT BEWEGLICHEN ZACKEN UND ZUGEHÖRIGE GONDEL

Title (fr)

DISPOSITIF DE REDUCTION DE BRUIT POUR NACELLE DE TURBOREACTEUR A CHEVRONS MOBILES, ET NACELLE ASSOCIEE

Publication

EP 2321515 A1 20110518 (FR)

Application

EP 09736432 A 20090805

Priority

- FR 2009000980 W 20090805
- FR 0804492 A 20080806

Abstract (en)

[origin: WO2010015751A1] The invention relates to a turbojet nacelle (1) and to an aeroacoustic noise reduction device for said nacelle, the nacelle comprising a nozzle (10) on the downstream end thereof, said nozzle (10) comprising an inner wall inside which a first flow from the turbojet circulates and an outer wall (102) outside which a second flow corresponding to the surrounding outside air circulates. The invention also relates to an aeroacoustic noise reduction device (20) of the turbojet, comprising a plurality of chevrons (201) arranged on the circumference of the nozzle (10). The invention is characterised in that the aeroacoustic noise reduction device also comprises a slide (202) arranged on the circumference of the nozzle in such a way that it can rotate about the axis of the nozzle, each chevron (201) being connected to the slide (202) by means of a guiding element (204) that can move along the slide (202) during the rotation thereof in order to ensure the displacement of the chevron (201).

IPC 8 full level

F02K 1/38 (2006.01); **F02K 1/48** (2006.01)

CPC (source: EP US)

F02K 1/383 (2013.01 - EP US); **F02K 1/386** (2013.01 - EP US); **F02K 1/48** (2013.01 - EP US)

Citation (search report)

See references of WO 2010015751A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010015751 A1 20100211; BR PI0916585 A2 20151110; CA 2732127 A1 20100211; CN 102105669 A 20110622; CN 102105669 B 20131225; EP 2321515 A1 20110518; FR 2934875 A1 20100212; FR 2934875 B1 20100813; RU 2011107175 A 20120920; RU 2546347 C2 20150410; US 2011139540 A1 20110616; US 8430203 B2 20130430

DOCDB simple family (application)

FR 2009000980 W 20090805; BR PI0916585 A 20090805; CA 2732127 A 20090805; CN 200980129622 A 20090805; EP 09736432 A 20090805; FR 0804492 A 20080806; RU 2011107175 A 20090805; US 200913057935 A 20090805