

Title (en)

Casing with casing treatment, compressor and turbomachine including such a casing

Title (de)

Gehäuse mit Gehäusebehandlung, Kompressor und Turbinentriebwerk, das ein solches Gehäuse umfasst

Title (fr)

Carter avec traitement de carter, compresseur et turbomachine comportant un tel carter

Publication

EP 1961920 B1 20100407 (FR)

Application

EP 08151676 A 20080220

Priority

FR 0753399 A 20070221

Abstract (en)

[origin: EP1961920A1] The casing (10) has an annulus situated facing one of series of moving blades (20), and casing treatment zone facing the moving blades, where the casing treatment zone includes a groove (12) defining a closed outline. The treatment zone is localized over an angular sector corresponding to 1.5 to 2.5 times the pitch of the moving blades. The treatment zone comprises another groove of which the closed outline is curved. The casing treatment zone is formed in a plate fitted to the casing, where the plate is made of an abradable material.

IPC 8 full level

F01D 9/02 (2006.01); **F04D 27/02** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)

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Cited by

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EP 1961920 A1 20080827; **EP 1961920 B1 20100407**; CA 2621727 A1 20080821; CA 2621727 C 20150616; DE 602008000914 D1 20100520; FR 2912789 A1 20080822; FR 2912789 B1 20091002; JP 2008202598 A 20080904; JP 5152492 B2 20130227; RU 2008106633 A 20090827; RU 2489602 C2 20130810; US 2008199306 A1 20080821; US 8100629 B2 20120124

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