

Title (en)

Casing of a turbo machine, method for manufacturing such a casing and gas turbine with such a casing

Title (de)

Gehäuse einer Turbomaschine, Verfahren zur Herstellung solch eines Gehäuses und Gasturbine mit solch einem Gehäuse

Title (fr)

Carter de turbomachine, procédé de fabrication d'un tel carter et turbine à gaz avec un tel carter

Publication

**EP 3000991 A1 20160330 (EN)**

Application

**EP 14186851 A 20140929**

Priority

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Abstract (en)

The invention relates to a casing (13) of a turbo machine (10), which extends along a machine axis (12) of said turbo machine (10) and coaxially surrounds a rotor (11) of said turbo machine (10) thereby defining an annular hot gas path. Said casing (13) comprises at least one axial section, wherein a plurality of axially extending apertures (16) are provided in the wall of said casing (13) and distributed around its circumference in order to reduce the individual influence of said at least one axial section on an overall radial deformation by reducing thermally induced circumferential stresses in said at least one axial section. Method for manufacturing such a casing and gas turbine comprising such a casing.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

US 4522559 A 19850611 - BURGE JOSEPH C [US], et al

Citation (search report)

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- [X1] EP 0073689 A1 19830309 - CARRIER CORP [US]
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- [X1] EP 2623719 A1 20130807 - PRATT & WHITNEY CANADA [CA]

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