

Title (en)

Turbine casing for a steam turbine and/or a gas turbine and production method thereof

Title (de)

Turbinengehäuse für eine Dampfturbine und/oder eine Gasturbine und Verfahren zu dessen Herstellung

Title (fr)

Carter de turbine à vapeur ou à gaz et procédé de production correspondant

Publication

EP 1865155 A1 20071212 (DE)

Application

EP 06011628 A 20060606

Priority

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Abstract (en)

The housing (10) has an iron casting and/or modular graphite casting as base material, and a bar (24) and a sealing ring (28), which are embedded in the iron casting and/or modular graphite casting. The bar and the sealing ring have a high-alloy metallic substance such as carbon, chromium, nickel and/or molybdenum, where the bar and the sealing ring is arranged in an area of transition between different components of the housing. An independent claim is also included for a method for manufacturing a turbine housing for a steam turbine and/or gas turbine.

Abstract (de)

Ein Turbinengehäuse (10) für eine Dampfturbine und/oder eine Gasturbine ist erfindungsgemäß dadurch gekennzeichnet, dass das Turbinengehäuse (10) zumindest abschnittsweise Grau- und/oder Sphäroguss als Grundwerkstoff enthält, wobei in dem Grau- und/oder Sphäroguss mindestens ein Element (24, 28) eingebettet ist, welches einen hochlegierten metallischen Werkstoff aufweist.

IPC 8 full level

F01D 25/24 (2006.01)

CPC (source: EP)

C22C 38/04 (2013.01); **C22C 38/44** (2013.01); **F01D 25/005** (2013.01); **F01D 25/24** (2013.01); **F05C 2201/0466** (2013.01); **F05D 2220/31** (2013.01); **F05D 2220/32** (2013.01); **F05D 2230/21** (2013.01); **F05D 2300/131** (2013.01); **F05D 2300/132** (2013.01); **F05D 2300/171** (2013.01)

Citation (search report)

- [X] DE 19742621 A1 19990408 - SIEMENS AG [DE]
- [A] DE 10110804 A1 20020912 - EUROFLAMM GMBH [DE]
- [A] US 2005106006 A1 20050519 - REIGL MARTIN [CH]

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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