

Title (en)

Multi-component internal housing for a steam turbine

Title (de)

Mehrteiliges Innengehäuse für eine Dampfturbine

Title (fr)

Boîtier interne en plusieurs parties pour une turbine à vapeur

Publication

**EP 2333252 A1 20110615 (DE)**

Application

**EP 09015211 A 20091208**

Priority

EP 09015211 A 20091208

Abstract (en)

The housing has a horizontal joint, upper inner housing parts (10, 11) formed above the horizontal joint, and another two inner housing parts (6, 7) formed below the horizontal joint. The inner housing parts formed below the horizontal joint are formed by a vertical joint, and the inner housing part formed above the horizontal joint exhibits another vertical joint. The housing parts are formed from a nickel-base-material. The inner housing parts are divided in circumferential direction (9) with respect to a rotation axis. An independent claim is also included for a method for manufacturing an inner housing.

Abstract (de)

Die Erfindung betrifft ein Innengehäuse (1) für eine Strömungsmaschine, insbesondere eine Dampfturbine, wobei das Innengehäuse (1) in Umfangsrichtung gesehen zumindest aus drei Innengehäuseteilen ausgebildet ist.

IPC 8 full level

**F01D 25/26** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP)

**F01D 25/14** (2013.01); **F01D 25/24** (2013.01); **F01D 25/243** (2013.01); **F01D 25/26** (2013.01); **F01D 25/265** (2013.01); **F01D 25/28** (2013.01); **F05C 2201/0466** (2013.01); **F05D 2220/31** (2013.01); **F05D 2220/72** (2013.01); **F05D 2240/14** (2013.01)

Citation (applicant)

- DE 102006027237 A1 20061228 - ALSTOM TECHNOLOGY LTD [CH]
- DE 3421067 A1 19841213 - HITACHI LTD [JP]
- DE 10353451 A1 20050616 - ALSTOM TECHNOLOGY LTD BADEN [CH]
- TANAKA ET AL.: "Advanced Design of Mitsubishi Large Steam Turbines", MITSUBISHI HEAVY INDUSTRIES, POWER GEN EUROPE, 6 May 2003 (2003-05-06)

Citation (search report)

- [X] WO 03044329 A1 20030530 - ALSTOM SWITZERLAND LTD [CH], et al
- [A] US 3754833 A 19730828 - REMBERG A

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)

**EP 2333252 A1 20110615**; CN 102656340 A 20120905; CN 102656340 B 20160120; EP 2510196 A1 20121017; WO 2011069986 A1 20110616

DOCDB simple family (application)

**EP 09015211 A 20091208**; CN 201080055906 A 20101207; EP 10790397 A 20101207; EP 2010069015 W 20101207