

Title (en)

Casing for a turbomachine and method of manufacture

Title (de)

Gehäuse für Strömungsmaschine sowie Verfahren zur Herstellung

Title (fr)

Boîtier pour une turbomachine et procédé de fabrication

Publication

**EP 2423454 A1 20120229 (DE)**

Application

**EP 10173943 A 20100825**

Priority

EP 10173943 A 20100825

Abstract (en)

The housing i.e. inner housing (3), has two housing portions (3a, 3b) arranged along an axial axle, where the housing portions are axially connected with each other by a heat shrinking process. One of the housing portions has a recess formed in a circumferential direction, and the other housing portion has a projection formed in the direction, where the projection is pressed into the recess. The latter housing portion is arranged behind the former housing portion in a radial direction, where the housing portions are made of chrome steel. An independent claim is also included for a method for manufacturing housing portions.

Abstract (de)

Die Erfindung betrifft ein Gehäuse (3) für eine Strömungsmaschine, insbesondere Dampfturbine (1), wobei das Gehäuse ein erstes Gehäuseteil (3a), ein zweites Gehäuseteil (3b) und ein drittes Gehäuseteil (3c) umfasst, wobei die Gehäuseteile (3a, 3b, 3c) jeweils über eine Verschrumpfung (11) miteinander verbunden sind.

IPC 8 full level

**F01D 25/26** (2006.01)

CPC (source: EP)

**F01D 25/265** (2013.01); **F05D 2220/31** (2013.01); **F05D 2230/40** (2013.01); **F05D 2260/37** (2013.01); **F05D 2300/132** (2013.01)

Citation (search report)

- [XY] DE 69302520 T3 20021205 - GEC ALSTHOM ELECTROMECC [FR]
- [Y] EP 1559872 A1 20050803 - SIEMENS AG [DE]
- [A] DE 10052176 A1 20010621 - TOSHIBA KAWASAKI KK [JP]
- [A] DE 1040569 B 19581009 - WESTINGHOUSE ELECTRIC CORP
- [A] EP 1744017 A1 20070117 - SIEMENS AG [DE]

Cited by

EP3421727A1; CN109209516A

Designated contracting state (EPC)

AL 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)

BA ME RS

DOCDB simple family (publication)

**EP 2423454 A1 20120229**; CN 103080482 A 20130501; CN 103080482 B 20160203; EP 2609298 A1 20130703; WO 2012025342 A1 20120301

DOCDB simple family (application)

**EP 10173943 A 20100825**; CN 201180041122 A 20110802; EP 11740913 A 20110802; EP 2011063269 W 20110802