

Title (en)

METHOD FOR MANUFACTURING A TURBINE CASING AND TURBINE CASING

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TURBINENGEHÄUSES SOWIE TURBINENGEHÄUSE

Title (fr)

PROCÉDÉ DESTINÉ À LA FABRICATION D'UN BOÎTIER DE TURBINE ET BOÎTIER DE TURBINE

Publication

EP 2176522 A1 20100421 (DE)

Application

EP 08786470 A 20080725

Priority

- EP 2008059813 W 20080725
- EP 07015627 A 20070808
- EP 08786470 A 20080725

Abstract (en)

[origin: EP2022951A1] The housing has an outer layer (5) arranged around an inner layer (4), where the housing is formed as a two-layered structure with the inner layer and the outer layer. The inner layer is made of a more heat resistant material than the outer layer. The more heat resistant material of the inner layer is selected from the group of a nickel-based alloy i.e. alloy 625, the martensitic cast steel or the chromium steel of 9-10 weight percentage. The outer layer is made of the martensitic cast steel, cast steel or the chromium steel of 9-10 weight percentage or 1-2 percentage. An independent claim is also included for a method for manufacturing a two-layered housing for a thermal turbo-machine.

IPC 8 full level

B22D 25/00 (2006.01); **F01D 25/26** (2006.01)

CPC (source: EP US)

B22D 25/00 (2013.01 - US); **F01D 25/26** (2013.01 - EP US); **F05D 2230/21** (2013.01 - EP US); **F05D 2230/30** (2013.01 - EP US); **F05D 2230/31** (2013.01 - EP US); **F05D 2230/40** (2013.01 - EP US); **F05D 2240/14** (2013.01 - EP US); **F05D 2260/94** (2013.01 - EP US); **F05D 2260/941** (2013.01 - EP US); **F05D 2300/502** (2013.01 - EP US); **Y10T 29/4998** (2015.01 - EP US)

Citation (search report)

See references of WO 2009019152A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2022951 A1 20090211; CN 101779004 A 20100714; CN 101779004 B 20130306; EP 2176522 A1 20100421; JP 2010535970 A 20101125; JP 2012140961 A 20120726; JP 5450674 B2 20140326; US 2010209234 A1 20100819; US 2014076466 A1 20140320; US 9358609 B2 20160607; WO 2009019152 A1 20090212

DOCDB simple family (application)

EP 07015627 A 20070808; CN 200880102324 A 20080725; EP 08786470 A 20080725; EP 2008059813 W 20080725; JP 2010519422 A 20080725; JP 2012005323 A 20120113; US 201314083866 A 20131119; US 67106908 A 20080725