

Title (en)

Steam turbine assembly and method of assembling a steam turbine

Title (de)

Dampfturbineneinheit und Verfahren zur Montage einer Dampfturbine

Title (fr)

Ensemble de turbine à vapeur et procédé d'assemblage d'une turbine à vapeur

Publication

EP 2392784 A1 20111207 (EN)

Application

EP 10005811 A 20100604

Priority

EP 10005811 A 20100604

Abstract (en)

A steam turbine assembly (1) comprises an inner casing (3) arranged around a longitudinal rotor axis (4) and a guide blade carrier or stationary blade ring (5) arranged in said inner casing circumferentially around said rotor axis. The guide blade carrier or stationary blade ring comprises a radially outward arm (10) supported between a pair of transversely separated support faces (11a,11b) of said inner casing. The assembly further includes a pair of tapered keys (13a,13b) slidably fitted respectively between said arm and each of said support faces, for transversely fastening said guide blade carrier or stationary blade ring to said inner casing.

IPC 8 full level

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

CPC (source: EP)

F01D 25/246 (2013.01); **F01D 25/26** (2013.01); **F05D 2230/642** (2013.01); **F05D 2230/644** (2013.01); **F05D 2250/292** (2013.01)

Citation (search report)

- [A] US 4650396 A 19870317 - SCHWARZ HANS [CH]
- [A] EP 1826365 A2 20070829 - GEN ELECTRIC [US]
- [A] EP 2180150 A2 20100428 - GEN ELECTRIC [US]
- [A] US 4112582 A 19780912 - BECKERSHOFF WOLFGANG

Cited by

US11255222B2; WO2015156692A1; EP3299591B1

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 2392784 A1 20111207; CN 102933800 A 20130213; CN 102933800 B 20150225; EP 2576998 A1 20130410; EP 2576998 B1 20140625; WO 2011151329 A1 20111208

DOCDB simple family (application)

EP 10005811 A 20100604; CN 201180026690 A 20110531; EP 11723933 A 20110531; EP 2011058955 W 20110531