

Title (en)  
Steam turbine with partitioned interior casing

Title (de)  
Dampfturbine mit geteiltem Innengehäuse

Title (fr)  
Turbine à vapeur dotée d'un boîtier intérieur séparé

Publication  
**EP 2101044 A1 20090916 (DE)**

Application  
**EP 08004712 A 20080313**

Priority  
EP 08004712 A 20080313

Abstract (en)  
The turbine (1) has a rotor (3) rotatably supported in an inner housing (4), and an outer housing (5) arranged around the inner housing. The housing (4) has an axial parting line and a radial parting line (12), and the housing (5) is designed as cup-shaped housing. The housing (4) has inner housing parts (4a, 4b) and another set of inner housing parts (4c, 4d) that are arranged behind the parts (4a, 4b) in an axial direction. The parts (4a, 4b) are made of a nickel-base-material, and the housing (5) is installed firmly with a ground. The parts are connected with one another via a flange (16). An independent claim is also included for a method for manufacturing a steam turbine.

Abstract (de)  
Die Erfindung betrifft eine Dampfturbine (1) mit einem Innengehäuse (4), das sowohl eine erste radiale (12) als auch eine axiale Teilfuge aufweist und einem Außengehäuse (5), das eine zweite radiale (14) Teilfuge aufweist, wobei das Innengehäuse (4) an dem Außengehäuse (5) angeordnet ist.

IPC 8 full level  
**F01D 25/26** (2006.01)

CPC (source: EP)  
**F01D 25/246** (2013.01); **F01D 25/265** (2013.01); **F05C 2201/0466** (2013.01); **F05D 2220/31** (2013.01); **F05D 2240/14** (2013.01)

Citation (search report)

- [XY] JP 2000282808 A 20001010 - TOSHIBA CORP
- [Y] US 3844675 A 19741029 - REMBERG A
- [X] EP 1033478 A2 20000906 - ABB ALSTOM POWER CH AG [CH]
- [X] DE 1037469 B 19580828 - SIEMENS AG
- [X] JP S62267506 A 19871120 - TOSHIBA CORP
- [X] EP 0566478 A1 19931020 - GEC ALSTHOM ELECTROMECC [FR]
- [X] DE 944313 C 19560719 - SIEMENS AG

Cited by  
CN109642476A; EP3453848A1; CN111065796A; US11286810B2; WO2019048184A1

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

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**EP 08004712 A 20080313**; EP 2009050706 W 20090122