

Title (en)
Fluid flow engine with steam removal

Title (de)
Strömungsmaschine mit Dampfentnahme

Title (fr)
Machine d'écoulement dotée d'une sortie de vapeur

Publication
EP 2295725 A1 20110316 (DE)

Application
EP 09010469 A 20090813

Priority
EP 09010469 A 20090813

Abstract (en)
The turbo-engine has a rotor (5) rotatably supported around a rotational axis (6), and an internal inner housing (4) and an external inner housing (3) are arranged around the rotor. An outer housing (2) is arranged around the internal and external inner housings. A flow channel (7) for flow of a fluid medium is formed between the rotor and the internal and external inner housings. A sealing is arranged between the internal and the external inner housings. Tapping holes (16) for discharging fluid medium from the flow channel are arranged in the internal and external inner housings.

Abstract (de)
Die Erfindung betrifft eine dreischalige Dampfturbine (1), wobei ein Rotor (5) drehbar gelagert ist und um den Rotor (5) ein inneres Innengehäuse (4) und ein äußeres Innengehäuse (3) angeordnet ist, wobei die Stoßstelle (11) zwischen dem inneren Innengehäuse (4) und dem äußeren Innengehäuse (3) abgedichtet ist und Anzapfbohrungen (16) im inneren Innengehäuse (4) und/oder äußeren Innengehäuse (3) angeordnet sind.

IPC 8 full level
F01D 9/04 (2006.01); **F01D 17/10** (2006.01); **F02C 7/28** (2006.01)

CPC (source: EP)
F01D 3/02 (2013.01); **F01D 9/04** (2013.01); **F01D 9/041** (2013.01); **F01D 11/005** (2013.01); **F01D 17/105** (2013.01); **F01D 25/24** (2013.01); **F05D 2240/55** (2013.01)

Citation (search report)

- [XY] US 5211703 A 19930518 - FERLEGER JUREK [US], et al
- [Y] US 5024579 A 19910618 - GROENENDAAL JR JOHN C [US], et al
- [Y] US 2005196267 A1 20050908 - CLIFFORD SAMUEL G [US], et al
- [Y] EP 1445519 A1 20040811 - SIEMENS AG [DE]

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)
WO 2011018299 A1 20110217; CN 102472110 A 20120523; CN 102472110 B 20150304; EP 2295725 A1 20110316; EP 2464830 A1 20120620

DOCDB simple family (application)
EP 2010060288 W 20100716; CN 201080035885 A 20100716; EP 09010469 A 20090813; EP 10732983 A 20100716