

Title (en)
Low pressure turbine

Title (de)
Niederdruck-Turbine

Title (fr)
Turbine à basse pression

Publication
EP 2690253 A1 20140129 (DE)

Application
EP 12178221 A 20120727

Priority
EP 12178221 A 20120727

Abstract (en)
The low pressure partial turbine (1) has two low pressure-evaporating units (12,16), a rotor (6), an inner housing (7) arranged around the rotor, and an outer housing (9) arranged around the inner housing. The outer housing is formed with a reconducting vapor space. An annular space (14) is formed between the inner housing and the outer housing. An independent claim is included for method for operating a low pressure partial turbine.

Abstract (de)
Die Erfindung betrifft eine zweiflutige Niederdruck-Teilturbine (1), wobei der Abdampf der ersten Flut (2) und der zweiten Flut (3) in eine gemeinsame Richtung innerhalb des Außengehäuses (9) umgelenkt wird und somit eine axiale Abströmung erfolgt.

IPC 8 full level
F01D 3/02 (2006.01); **F01D 25/26** (2006.01); **F01D 25/30** (2006.01)

CPC (source: EP KR US)
F01D 3/02 (2013.01 - EP KR US); **F01D 25/26** (2013.01 - EP KR US); **F01D 25/30** (2013.01 - EP KR US); **F01K 7/30** (2013.01 - US); **F05B 2220/301** (2013.01 - EP KR US)

Citation (search report)

- [X] DE 1812487 A1 19700813 - SIEMENS AG
- [X] US 3915588 A 19751028 - BRANDSTATTER KURT
- [X] US 4557113 A 19851210 - SILVESTRI JR GEORGE J [US], et al
- [X] US 1405090 A 19220131 - KARL BAUMANN
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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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2690253 A1 20140129; BR 112015001665 A2 20170704; CN 104508243 A 20150408; CN 104508243 B 20160511; EP 2877699 A1 20150603; EP 2877699 B1 20161214; ES 2619602 T3 20170626; IN 10803DEN2014 A 20150904; JP 2015523496 A 20150813; JP 6005861 B2 20161012; KR 20150036154 A 20150407; PL 2877699 T3 20170630; RU 2015106499 A 20160920; US 2015167468 A1 20150618; WO 2014016272 A1 20140130

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EP 12178221 A 20120727; BR 112015001665 A 20130723; CN 201380039726 A 20130723; EP 13745005 A 20130723; EP 2013065466 W 20130723; ES 13745005 T 20130723; IN 10803DEN2014 A 20141217; JP 2015523522 A 20130723; KR 20157001708 A 20130723; PL 13745005 T 20130723; RU 2015106499 A 20130723; US 201314414112 A 20130723