

Title (en)

METHOD FOR HEATING UP A STEAM TURBINE OR FOR KEEPING A STEAM TURBINE HOT

Title (de)

VERFAHREN ZUM ANWÄRMEN ODER WARMHALTEN EINER DAMPFTURBINE

Title (fr)

PROCÉDÉ DE PRÉCHAUFFAGE OU DE MAINTIEN À TEMPÉRATURE D'UNE TURBINE À VAPEUR

Publication

EP 3126641 A1 20170208 (DE)

Application

EP 15719220 A 20150429

Priority

- EP 14171101 A 20140604
- EP 2015059276 W 20150429

Abstract (en)

[origin: WO2015185292A1] The invention relates to a method for heating up a steam turbine (2) or for keeping a steam turbine (2) hot, which steam turbine has at least one pressure stage (4) working at an initial pressure or intermediate pressure, at least one final pressure stage (5) which is fluidically connected downstream of the pressure stage (4) and works at a final pressure which is lower than the initial pressure or intermediate pressure, and at least one condenser (6) which is connected downstream of the final pressure stage (5), wherein steam generated outside the steam turbine (2) is introduced into the pressure stage (4), characterized in that, after flowing through the pressure stage (4) and bypassing the final pressure stage (5), the steam is supplied directly to the condenser (6).

IPC 8 full level

F01K 13/02 (2006.01); **F01D 25/10** (2006.01)

CPC (source: CN EP KR RU US)

F01D 25/10 (2013.01 - CN EP KR US); **F01K 7/16** (2013.01 - US); **F01K 13/02** (2013.01 - RU US); **F01K 13/025** (2013.01 - CN EP KR US);
F05D 2220/31 (2013.01 - US); **F05D 2220/74** (2013.01 - US)

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 2952702 A1 20151209; CN 106414912 A 20170215; CN 106414912 B 20180126; EP 3126641 A1 20170208; JP 2017522483 A 20170810;
JP 6339242 B2 20180606; KR 101965660 B1 20190404; KR 20160147034 A 20161221; RU 2650239 C1 20180411; US 10100665 B2 20181016;
US 2017204741 A1 20170720; WO 2015185292 A1 20151210

DOCDB simple family (application)

EP 14171101 A 20140604; CN 201580029589 A 20150429; EP 15719220 A 20150429; EP 2015059276 W 20150429;
JP 2016571126 A 20150429; KR 20167033544 A 20150429; RU 2016150530 A 20150429; US 201515312930 A 20150429