

Title (en)

METHOD FOR COOLING DOWN A STEAM TURBINE

Title (de)

VERFAHREN ZUM ABKÜHLEN EINER DAMPFTURBINE

Title (fr)

PROCÉDÉ DE REFROIDISSEMENT D'UNE TURBINE À VAPEUR

Publication

EP 3087256 A2 20161102 (DE)

Application

EP 15703512 A 20150128

Priority

- EP 14159049 A 20140312
- EP 2015051660 W 20150128
- EP 15703512 A 20150128

Abstract (en)

[origin: WO2015135681A2] The invention relates to a steam-turbine unit (1) comprising a steam turbine (6) and an option for cooling said steam turbine by means of forced cooling, whereby cooling air is drawn through the steam turbine (6) via a suction device (11) and a drainage line (32) of the live-steam valve is used as the access option.

IPC 8 full level

F01D 25/12 (2006.01); **F01D 5/00** (2006.01); **F01K 13/02** (2006.01)

CPC (source: CN EP KR US)

F01D 5/005 (2013.01 - KR); **F01D 25/12** (2013.01 - CN EP KR US); **F01D 25/32** (2013.01 - US); **F01K 13/025** (2013.01 - CN EP KR US);
F01D 5/005 (2013.01 - CN EP US); **F05D 2220/31** (2013.01 - CN EP KR US); **F05D 2240/14** (2013.01 - US); **F05D 2260/232** (2013.01 - US)

Citation (search report)

See references of WO 2015135681A2

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 2918788 A1 20150916; CN 106103909 A 20161109; CN 106103909 B 20171013; EP 3087256 A2 20161102; EP 3087256 B1 20171101;
ES 2658054 T3 20180308; JP 2017517665 A 20170629; JP 6282757 B2 20180221; KR 101834686 B1 20180305; KR 20160119198 A 20161012;
PL 3087256 T3 20180430; RU 2640891 C1 20180112; US 11346245 B2 20220531; US 2017067364 A1 20170309;
WO 2015135681 A2 20150917; WO 2015135681 A3 20160317

DOCDB simple family (application)

EP 14159049 A 20140312; CN 201580013082 A 20150128; EP 15703512 A 20150128; EP 2015051660 W 20150128;
ES 15703512 T 20150128; JP 2016556861 A 20150128; KR 20167024681 A 20150128; PL 15703512 T 20150128; RU 2016139666 A 20150128;
US 201515123185 A 20150128