Title (en)
Method for cooling a steam turbine

Title (de)
Verfahren zum Abkühlen einer Dampfturbine

Title (fr)
Procédé de refroidissement d'une turbine à vapeur

Publication
EP 2918788 A1 20150916 (DE)

Application
EP 14159049 A 20140312

Priority
EP 14159049 A 20140312

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.

Abstract (de)
Die Erfindung betrifft eine Dampfturbinenanlage (1) mit einer Dampfturbine (6) und einer Möglichkeit, die Dampfturbine mit einer Zwangsabkühlung abzukühlen, indem über eine Saugeinrichtung (11) Kühlluft durch die Dampfturbine (6) gezogen wird, wobei als Zugangsmöglichkeit eine Entwässerungsleitung (32) des Frischdampfventils verwendet wird.

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)
- [A] AU 2008202733 A1 20090122 - STANWELL CORPORATION LTD [AU]
- [A] DE 19823251 C1 19990708 - SIEMENS AG [DE]
- [A] CN 103195508 A 20130710 - SHANGHAI ELECTRIC POWER GENERATION EQUIPMENT CO LTD
- [A] DE 19640298 A1 19980409 - SIEMENS AG [DE]

Cited by
CN111365084A; EP3109420A1

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