

Title (en)

GAS AND STEAM TURBINE SYSTEM HAVING FEED-WATER PARTIAL-FLOW DEGASSER

Title (de)

GAS- UND DAMPFTURBINENANLAGE MIT SPEISEWASSER-TEILSTROM-ENTGASER

Title (fr)

SYSTÈME DE TURBINES À GAZ ET À VAPEUR À DÉGAZEUR DE FLUX PARTIEL D'EAU D'ALIMENTATION

Publication

EP 2900944 A2 20150805 (DE)

Application

EP 13762793 A 20130911

Priority

- DE 102012217514 A 20120927
- EP 2013068787 W 20130911

Abstract (en)

[origin: WO2014048742A2] The invention relates to a method for operating a gas and steam turbine system (1), wherein the heat contained in the expanded working medium of an associated gas turbine is used in an associated waste-heat steam generator (6) to produce steam for an associated steam turbine (3) having at least one low-pressure part (9) and one high-pressure part (7), wherein a low-pressure stage (14) having a low-pressure drum (48) is associated with the low-pressure part (9) in the waste-heat steam generator (6), wherein gases dissolved in the water or steam are substantially degassed from steam for the low-pressure part (9) from the low-pressure drum (48) and the steam production in the low-pressure drum (48) is varied in order to control the degassing in that heat is shifted within the waste-heat steam generator (6), wherein the heat is shifted in the waste-heat steam generator (6) in that less heat is drawn from the working medium in a medium- (42) or high-pressure stage (22) of the gas and steam turbine system (1).

IPC 8 full level

F01K 23/10 (2006.01)

CPC (source: EP US)

B01D 19/0036 (2013.01 - EP US); **C02F 1/20** (2013.01 - US); **F01K 7/16** (2013.01 - US); **F01K 23/10** (2013.01 - US); **F01K 23/108** (2013.01 - EP US); **C02F 2103/02** (2013.01 - US)

Citation (search report)

See references of WO 2014048742A2

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)

DE 102012217514 A1 20140327; CN 104704205 A 20150610; CN 104704205 B 20161102; EP 2900944 A2 20150805; JP 2015535904 A 20151217; KR 20150060936 A 20150603; US 2015226090 A1 20150813; WO 2014048742 A2 20140403; WO 2014048742 A3 20150129

DOCDB simple family (application)

DE 102012217514 A 20120927; CN 201380050774 A 20130911; EP 13762793 A 20130911; EP 2013068787 W 20130911; JP 2015533522 A 20130911; KR 20157010873 A 20130911; US 201314430370 A 20130911