

Title (en)

METHOD FOR OPERATING A WASTE HEAT STEAM GENERATOR

Title (de)

VERFAHREN ZUM BETREIBEN EINES ABHITZEDAMPFERZEUGERS

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN GÉNÉRATEUR DE VAPEUR À RÉCUPÉRATION DE CHALEUR

Publication

EP 3472514 A1 20190424 (DE)

Application

EP 16753305 A 20160805

Priority

EP 2016068732 W 20160805

Abstract (en)

[origin: WO2018024340A1] The invention relates to a method for operating a waste heat steam generator, in particular one designed according to the forced flow principle, comprising an evaporator (16), through which a flow medium flows; an economizer having a number of economizer heating surfaces (10, 14), and having a bypass line (4), which on the flow medium side is connected in parallel to a number of economizer heating surfaces (10, 14). In the method, a variable (30) that is characteristic of the heat energy supplied to the waste heat steam generator (1) for controlling or regulating the flow rate of the bypass line (4) is used, wherein the regulating or controlling of the flow rate of the flow medium through the bypass line (4) takes place at the inlet of the evaporator (16) subject to a supercooling target value (26). The regulating or controlling of the flow rate of the flow medium through the bypass line (4) also takes place at the outlet of the evaporator (16) subject to an overheating target value (110).

IPC 8 full level

F22D 1/12 (2006.01); **F22D 5/00** (2006.01)

CPC (source: EP KR US)

F22D 1/12 (2013.01 - EP KR US); **F22D 5/00** (2013.01 - EP KR); **F22D 5/34** (2013.01 - US); **F24D 2200/16** (2013.01 - US)

Citation (search report)

See references of WO 2018024340A1

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)

WO 2018024340 A1 20180208; CA 3032784 A1 20180208; CA 3032784 C 20200818; CN 109563985 A 20190402; CN 109563985 B 20210625; EP 3472514 A1 20190424; EP 3472514 B1 20210224; ES 2870673 T3 20211027; JP 2019527808 A 20191003; KR 102245954 B1 20210430; KR 20190031557 A 20190326; US 10948178 B2 20210316; US 2019338944 A1 20191107

DOCDB simple family (application)

EP 2016068732 W 20160805; CA 3032784 A 20160805; CN 201680088310 A 20160805; EP 16753305 A 20160805; ES 16753305 T 20160805; JP 2019506098 A 20160805; KR 20197005914 A 20160805; US 201616314905 A 20160805