

Title (en)  
Heat recovery steam generator

Title (de)  
ABHITZEDAMPFERZEUGER

Title (fr)  
Générateur de vapeur à récupération de chaleur

Publication  
**EP 2324285 B1 20161102 (DE)**

Application  
**EP 09782665 A 20090907**

Priority  
• EP 2009061521 W 20090907  
• EP 08015864 A 20080909  
• EP 09782665 A 20090907

Abstract (en)  
[origin: WO2010029033A2] The invention relates to a waste heat steam generator (1) having a plurality of evaporator tubes (4) which are connected in parallel on the flow medium side, a plurality of overheating tubes (26) being mounted downstream of the evaporator tubes by means of a water separation system. Said water separation system comprises a number of water separating elements (12), each water separation element being respectively mounted downstream of a plurality of evaporator tubes (4) and/or upstream of a plurality of overheating tubes (26). Each water separating element (12) comprises an inlet pipe (14) which is respectively connected upstream to the evaporator tubes (4), said inlet pipe extending into a water evacuation pipe when seen in the longitudinal direction. A plurality of outflow pipes (18) branch off in the transitional area, said pipes being connected to an inlet collector (28) of the overheating tubes (26) which are respectively connected downstream. The aim of the invention is to provide said type of waste heat steam generator which is characterised in that it has a particularly high level of operational flexibility with comparatively low construction and reparation complexity. As a result, a distribution element (34) is arranged on the steam side between the respective water separating element (12) and the inlet collector (28).

IPC 8 full level  
**F22B 15/00** (2006.01); **F22B 21/00** (2006.01); **F22B 37/26** (2006.01)

CPC (source: EP US)  
**F22B 15/00** (2013.01 - EP US); **F22B 21/00** (2013.01 - EP US); **F22B 37/26** (2013.01 - EP US)

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010029033 A2 20100318; WO 2010029033 A3 20100610**; CN 102171513 A 20110831; CN 102171513 B 20131120; EP 2204611 A1 20100707; EP 2324285 A2 20110525; EP 2324285 B1 20161102; ES 2614155 T3 20170529; PL 2324285 T3 20170428; RU 2011113827 A 20121020; US 2011162594 A1 20110707; US 8701602 B2 20140422

DOCDB simple family (application)  
**EP 2009061521 W 20090907**; CN 200980135073 A 20090907; EP 08015864 A 20080909; EP 09782665 A 20090907; ES 09782665 T 20090907; PL 09782665 T 20090907; RU 2011113827 A 20090907; US 200913062727 A 20090907