

Title (en)  
FORCED-FLOW STEAM GENERATOR FOR USING AT STEAM TEMPERATURES OF ABOVE 650°C

Title (de)  
ZWANGDURCHLAUFDAMPFERZEUGER FÜR DEN EINSATZ VON DAMPFTEMPERATUREN VON ÜBER 650°C

Title (fr)  
DISPOSITIF DE PRODUCTION DE VAPEUR À CIRCULATION FORCÉE PRÉVU POUR L'UTILISATION À DES TEMPÉRATURES DE VAPEUR SUPÉRIEURES À 650°C

Publication  
**EP 2473782 A2 20120711 (DE)**

Application  
**EP 10768369 A 20100820**

Priority  
• DE 102009040250 A 20090904  
• DE 2010000981 W 20100820

Abstract (en)  
[origin: WO2011026461A2] The invention relates to a forced-flow steam generator for using steam temperatures of above 650°C. Said forced-flow steam generator (1) comprises a combustion chamber (2) and a waste gas flue (3) connected to the upper end thereof, and peripheral walls (4) surrounding said flue. Said walls (4) are formed from tubular walls (5), the tubes thereof guiding the water/steam working medium. The combustion chamber (2) comprises at least one burner (6), and downstream heating surfaces (7) are arranged in the waste gas flue (3). Part of the peripheral walls (4) is covered in the region of the combustion chamber (2) by at least one bulkhead heating surface (8), the size of which on the surface side being determined such that the heat absorption of the peripheral walls (4) and therefore the temperature thereof are reduced to a value enabling the formation of the peripheral walls (4) from modified, heat-resistant 2.25-2.5% chrome steel that does not require any heat aftertreatment following the welding treatment thereof.

IPC 8 full level  
**F22B 21/00** (2006.01); **F22B 29/06** (2006.01); **F22B 37/04** (2006.01); **F22B 37/14** (2006.01)

CPC (source: EP US)  
**F22B 21/00** (2013.01 - EP US); **F22B 29/06** (2013.01 - EP US); **F22B 37/04** (2013.01 - EP US); **F22B 37/143** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011026461A2

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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011026461 A2 20110310; WO 2011026461 A3 20120726; WO 2011026461 A8 20120405**; CN 102713433 A 20121003;  
CN 102713433 B 20150923; DE 102009040250 A1 20110407; DE 102009040250 B4 20150521; EP 2473782 A2 20120711;  
EP 2473782 B1 20160420; HU E028255 T2 20161228; IN 2836DEN2012 A 20150724; PL 2473782 T3 20161230; RU 2012112947 A 20131010;  
RU 2546888 C2 20150410; SI 2473782 T1 20160831; US 2012291720 A1 20121122; ZA 201201884 B 20130529

DOCDB simple family (application)  
**DE 2010000981 W 20100820**; CN 201080039618 A 20100820; DE 102009040250 A 20090904; EP 10768369 A 20100820;  
HU E10768369 A 20100820; IN 2836DEN2012 A 20120403; PL 10768369 T 20100820; RU 2012112947 A 20100820; SI 201031235 A 20100820;  
US 201013393673 A 20100820; ZA 201201884 A 20120314