

Title (en)  
FOSSIL-ENERGY HEATED CONTINUOUS STEAM GENERATOR

Title (de)  
FOSSIL BEHEIZTER DURCHLAUFDAMPFERZEUGER

Title (fr)  
GENERATEUR DE VAPEUR EN CONTINU CHAUFFE A L'AIDE D'UN COMBUSTIBLE FOSSILE

Publication  
**EP 1794495 B1 20170426 (DE)**

Application  
**EP 05776226 A 20050722**

Priority  
• EP 2005053566 W 20050722  
• DE 102004046187 A 20040923

Abstract (en)  
[origin: WO2006032556A1] The invention relates to a fossil-energy heated continuous steam generator (2), whereby the at least one combustion chamber wall (6) of the combustion chamber (4), viewed in the flow direction of the hot gases (H), is divided into at least two throughflow segments (22), formed by evaporator heating surfaces (20), whereby the evaporator heating surfaces (20) each comprise steam generation tubes (24) welded to each other in a gastight manner and pressurised in parallel with a flow medium (S). According to the invention, said generator is suitable for operation with high fresh steam parameters, such as for example, steam temperatures of approximately 700 °C, with a simple construction and particularly simple assembly, whereby a throughflow segment (22), arranged after the first through flow segment (22), viewed in the direction of flow of the hot gases (H), forms the first evaporator stage (30) for the flow medium (S), such that the injection of particularly cold flow medium (S) can occur in the region of maximum heating.

IPC 8 full level  
**F22B 29/06** (2006.01)

CPC (source: EP US)  
**F22B 29/062** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006032556 A1 20060330**; EP 1794495 A1 20070613; EP 1794495 B1 20170426; TW 200619559 A 20060616; TW I312048 B 20090711; US 2008257282 A1 20081023; US 7878157 B2 20110201

DOCDB simple family (application)  
**EP 2005053566 W 20050722**; EP 05776226 A 20050722; TW 94132753 A 20050922; US 66324305 A 20050722