

Title (en)

A STEAM BOILER COMPRISING A RADIATION ELEMENT

Title (de)

DAMPFERZEUGER MIT EINEM STRAHLUNGSELEMENT

Title (fr)

CHAUDIÈRE À VAPEUR COMPORTANT UN ÉLÉMENT DE RADIATION

Publication

EP 2795189 B1 20161019 (EN)

Application

EP 12809797 A 20121219

Priority

- EP 11194868 A 20111221
- EP 2012076083 W 20121219
- EP 12809797 A 20121219

Abstract (en)

[origin: WO2013092660A2] A steam boiler (1) comprising at least one water and/or steam conveying element (30, 60) that is heated by the hot flue gases in the boiler characterized in that the steam boiler (1) comprises at least one radiation element (70) wherein; said radiation element (70) is an un-cooled element; said radiation element (70) is arranged in the flow of hot flue gases (12) such that it is convectively heated by the flue gases; said radiation element (70) is located at a pre-determined distance from said at least one water and/or steam conveying element (30, 60) wherein said predetermined distance is adapted such that the flow of hot flue gases between the radiation element and the water and/or steam conveying element is unhindered, and such that the water and/or steam conveying element is heated by heat radiation from said radiation element.

IPC 8 full level

F22B 37/10 (2006.01); **F22G 1/06** (2006.01); **F22G 7/14** (2006.01)

CPC (source: EP US)

F22B 37/10 (2013.01 - EP US); **F22G 1/06** (2013.01 - US); **F22G 7/14** (2013.01 - US)

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

DOCDB simple family (publication)

WO 2013092660 A2 20130627; **WO 2013092660 A3 20131017**; CN 104040254 A 20140910; CN 104040254 B 20160921;
DK 2795189 T3 20170130; EP 2795189 A2 20141029; EP 2795189 B1 20161019; ES 2611304 T3 20170508; JP 2015506451 A 20150302;
JP 6121441 B2 20170426; US 2015122201 A1 20150507

DOCDB simple family (application)

EP 2012076083 W 20121219; CN 201280063672 A 20121219; DK 12809797 T 20121219; EP 12809797 A 20121219; ES 12809797 T 20121219;
JP 2014547952 A 20121219; US 201214367280 A 20121219