

Title (en)

MULTIPLE-PIPE INSTANT HEATING TYPE STEAM GENERATOR AND APPLICATION THEREOF

Title (de)

MEHRROHRIGER DAMPFERZEUGER MIT SOFORTHEIZUNG UND ANWENDUNG DAVON

Title (fr)

GÉNÉRATEUR DE VAPEUR DE TYPE À CHAUFFAGE INSTANTANÉ À MULTIPLES TUYAUX ET APPLICATION DE CELUI-CI

Publication

EP 3306188 A4 20190123 (EN)

Application

EP 16799326 A 20160526

Priority

- CN 201510273120 A 20150526
- CN 2016083397 W 20160526

Abstract (en)

[origin: EP3306188A1] A multiple-pipe instant heating type steam generator comprises a steam generator body and a steam generator inner container. The steam generator inner container is sealedly disposed in a cavity of the steam generator body. A first brass mouthpiece is disposed at the lower end of the steam generator body, and a second brass mouthpiece is disposed at the upper end of the steam generator inner container. The steam generator inner container is mainly formed by fixedly connecting an end cover to a cylinder structure. A plurality of inner channels is evenly formed in the outer surface of the cylinder structure. The second brass mouthpiece is connected to the end cover and is communicated with the plurality of inner channels by means of shunting pipes. A plurality of outer channels is formed in the inner wall of the cavity of the steam generator body. The plurality of outer channels corresponds to the plurality of inner channels in a one-to-one manner to form a plurality of water flow and vaporization pipelines having round cross sections. The first brass mouthpiece is communicated with the plurality of water flow and vaporization pipelines having round cross sections and accordingly is communicated with the second brass mouthpiece. The steam generator has a simple structure, a long service life and high safety.

IPC 8 full level

F22B 1/28 (2006.01); **B08B 3/02** (2006.01)

CPC (source: EP)

F22B 1/282 (2013.01); **F22B 1/288** (2013.01); **B08B 2230/01** (2013.01)

Citation (search report)

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- [A] US 2003138244 A1 20030724 - LONG DENNIS P [US], et al
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- See references of WO 2016188439A1

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)

EP 3306188 A1 20180411; **EP 3306188 A4 20190123**; **EP 3306188 B1 20220420**; CN 104832901 A 20150812; CN 104832901 B 20170111; ES 2924734 T3 20221010; WO 2016188439 A1 20161201

DOCDB simple family (application)

EP 16799326 A 20160526; CN 201510273120 A 20150526; CN 2016083397 W 20160526; ES 16799326 T 20160526