

Title (en)

Apparatus for quick production of a hot liquid

Title (de)

Vorrichtung zur schnellen Produktion einer heißen Flüssigkeit

Title (fr)

Appareil de production rapide de liquide chaud

Publication

**EP 2080960 A3 20120111 (EN)**

Application

**EP 09150883 A 20090119**

Priority

IT PD20080017 A 20080118

Abstract (en)

[origin: EP2080960A2] Apparatus for quick production of a hot liquid in particular high pressure and temperature water, provided with a premixed modulating gas burner and with a low temperature exchanger, adapted to preheat a water flow, which completely surrounds the combustion chamber by means of an annular chamber, a connection chamber and a bottom chamber, and a high temperature tubular exchanger supplied with preheated water coming from the low temperature exchanger through at least one connection circuit provided with a first three-way valve susceptible to communicate the low temperature exchanger with the high temperature exchanger selectively by means of a low pressure pump or by means of a high pressure pump.

IPC 8 full level

**F24H 1/16** (2006.01); **F24H 1/44** (2006.01)

CPC (source: EP)

**F24H 1/165** (2013.01); **F24H 1/26** (2013.01); **F24H 1/43** (2013.01); **F24H 1/44** (2013.01)

Citation (search report)

- [A] EP 0027055 A1 19810415 - STELRAD GROUP LTD [GB]
- [A] EP 0053503 A2 19820609 - HELOT & CO LTD [IE]
- [A] US 1773806 A 19300826 - BOWEN ALBERT O, et al
- [A] CH 84212 A 19200216 - MUELLER JOSEF [DE]
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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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2080960 A2 20090722; EP 2080960 A3 20120111; EP 2080960 A9 20091014; IT PD20080017 A1 20090719**

DOCDB simple family (application)

**EP 09150883 A 20090119; IT PD20080017 A 20080118**