

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 A2 20090722 (EN)

Application

EP 09150883 A 20090119

Priority

IT PD20080017 A 20080118

Abstract (en)

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 1/26 (2006.01); **F24H 1/16** (2006.01); **F24H 1/43** (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 (applicant)

- EP 1398577 A1 20040317 - KAERCHER GMBH & CO KG ALFRED [DE]
- WO 9807530 A1 19980226 - KAERCHER GMBH & CO ALFRED [DE], et al
- DE 10041154 A1 20020314 - KUPS UMWELTECHNIK GMBH & CO K [DE], et al
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- FR 2542854 A1 19840921 - DIEPPEDALLE FRANCOIS [FR], et al
- US 3785363 A 19740115 - MACHADO J
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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

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