

Title (en)

TEMPERING DEVICE FOR INDUSTRIAL HEAT CONSUMERS

Title (de)

TEMPERIERGERÄT FÜR INDUSTRIELLE WÄRMEVERBRAUCHER

Title (fr)

APPAREIL DE CONTROLE DE TEMPERATURE DESTINE A UN ECHANGEUR THERMIQUE INDUSTRIEL

Publication

**EP 1673581 B1 20110323 (DE)**

Application

**EP 04765535 A 20040923**

Priority

- EP 2004010676 W 20040923
- DE 10345076 A 20030926

Abstract (en)

[origin: WO2005031222A1] The invention relates to a tempering device for industrial heat consumers, especially form tools, that exchange heat with a liquid heat transfer medium flowing through a circulation line. Said tempering device comprises a container which houses a heating device for the heat transfer medium. According to the invention, the heating device (4) is configured as a gas burner which comprises a mixing device (9) for burnable gas and combustion air and a burner plate (5) adjoining a combustion chamber (6) to which at least one exhaust gas heat exchanger (7) is connected. The invention is characterized in that the combustion chamber (6) and the exhaust gas heat exchanger (7) exchange heat with the heat transfer medium.

IPC 8 full level

**F24H 1/20** (2006.01); **F23C 3/00** (2006.01); **F23D 14/12** (2006.01)

CPC (source: EP)

**F23C 3/004** (2013.01); **F24H 1/206** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005031222 A1 20050407**; AT E503156 T1 20110415; DE 10345076 A1 20050421; DE 502004012333 D1 20110505; EP 1673581 A1 20060628; EP 1673581 B1 20110323

DOCDB simple family (application)

**EP 2004010676 W 20040923**; AT 04765535 T 20040923; DE 10345076 A 20030926; DE 502004012333 T 20040923; EP 04765535 A 20040923