

Title (en)

DEVICE FOR BOILERS OR THERMIC GENERATORS

Title (de)

VORRICHTUNG FÜR KESSEL ODER THERMISCHE GENERATOREN

Title (fr)

DISPOSITIF POUR CHAUDIÈRES OU GÉNÉRATEURS THERMIQUES

Publication

**EP 3698085 A1 20200826 (EN)**

Application

**EP 18803471 A 20181006**

Priority

- IT 201700119324 A 20171020
- IB 2018057768 W 20181006

Abstract (en)

[origin: WO2019077437A1] A device (MC) is described for domestic or industrial heating boilers or thermic generators (6). To improve their energy efficiency, the device comprises sensors (28, 32, 42, 48) for measuring the water's flow rate and temperature in an input pipe, a sensor (22) for measuring the fluid's flow rate in a fluid input pipe, an electronic circuit (60) connected to the sensors configured to detect the data output thereof, the electronic circuit being configured to calculate from the output data two information or parameters, i.e. the potential energy-contribution of the fluid within a unit of time, and the caloric energy transferred from the boiler to the outgoing water during that unit of time.

IPC 8 full level

**F24D 19/10** (2006.01)

CPC (source: EP US)

**F24D 19/1081** (2013.01 - EP US); **F24D 3/08** (2013.01 - EP)

Citation (search report)

See references of WO 2019077437A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019077437 A1 20190425**; EP 3698085 A1 20200826; EP 3698085 B1 20231227; IT 201700119324 A1 20190420

DOCDB simple family (application)

**IB 2018057768 W 20181006**; EP 18803471 A 20181006; IT 201700119324 A 20171020