

Title (en)

A DEVICE FOR RECOVERY OF FLUE-GAS HEAT OF A DOMESTIC BOILER

Title (de)

VORRICHTUNG ZUR RÜCKGEWINNUNG VON RAUCHGASWÄRME EINES HAUSHEIZUNGSKESSELS

Title (fr)

DISPOSITIF DE RECUPERATION DE LA CHALEUR DE GAZ DE COMBUSTION D'UNE CHAUDIERE DOMESTIQUE

Publication

EP 1828688 A1 20070905 (EN)

Application

EP 05850679 A 20051201

Priority

- IB 2005003630 W 20051201
- IT BG20040046 A 20041202

Abstract (en)

[origin: WO2006059215A1] The present invention regards a device (1) for recovery of flue-gas heat of a boiler of a domestic or industrial type. The device (1) comprises a first tubular element (10), which is operatively connected to the boiler so as to be traversed by the flue gas. Appropriate heat-exchanger means are housed within the first tubular element (10) in order to transfer the thermal energy of the flue gas to water at lower temperature circulating within the heatexchanger means themselves. The device (1) according to the invention has advantageously a dual functionality; namely, it enables at the same time discharge of the flue gas out of the boiler and recovery of the heat possessed by the flue gas itself.

IPC 8 full level

F24D 12/02 (2006.01); **F23J 15/06** (2006.01); **F28D 7/10** (2006.01); **F28D 7/12** (2006.01); **F28F 1/16** (2006.01)

CPC (source: EP)

F23J 15/06 (2013.01); **F24H 9/0084** (2013.01); **F28D 7/103** (2013.01); **F28D 7/12** (2013.01); **F28D 21/0007** (2013.01); **F28F 1/022** (2013.01); **F28F 1/16** (2013.01); **F23J 2211/101** (2013.01); **F23J 2900/13004** (2013.01); **F28D 21/0003** (2013.01); **F28F 2215/06** (2013.01); **Y02E 20/30** (2013.01)

Citation (search report)

See references of WO 2006059215A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2006059215 A1 20060608; EP 1828688 A1 20070905; IT BG20040046 A1 20050302

DOCDB simple family (application)

IB 2005003630 W 20051201; EP 05850679 A 20051201; IT BG20040046 A 20041202