

Title (en)
Compact silencer for a condensation boiler

Title (de)
Kompakter Schalldämpfer für einen Kondensationsboiler

Title (fr)
Silencieux compact pour chaudière à condensation

Publication
EP 2138767 A3 20140305 (EN)

Application
EP 09162557 A 20090612

Priority
IT MI20081143 A 20080625

Abstract (en)
[origin: EP2138767A2] For a wall-mounted gas-fired condensation boiler (1), a silencer (9) for introducing air into a mixer member (6) which receives the gas and is connected to a fan (5) which feeds this gas and said air to a conduit (4) connected to a burner (3), said silencer (9) presenting a body (12) having a first aperture (21) for drawing air from the external environment and a second aperture (50) to which the mixer member (6) is connected for its air intake; at least two parallel conduits (31, 40, 44) are provided within said body (12) and are separated by a dividing wall or baffle (24) provided with at least one internal aperture (36) to enable communication between said conduits (31, 40, 44), said baffle (24) creating two parallel combustion air flows and guiding these to the mixer member (6).

IPC 8 full level
F23L 5/00 (2006.01); **F04D 29/66** (2006.01); **F23D 11/36** (2006.01); **F23D 14/46** (2006.01)

CPC (source: EP)
F04D 29/663 (2013.01); **F23D 14/46** (2013.01); **F23L 5/00** (2013.01); **F23D 2210/00** (2013.01)

Citation (search report)

- [X] DE 10202702 A1 20020919 - IFTA INGENIEURBUERO FUER THERM [DE]
- [X] FR 2043926 A5 19710219 - MANOURY LEON
- [A] GB 1589007 A 19810507 - BROETJE A
- [A] EP 0126221 A2 19841128 - VIESSMANN HANS

Cited by
IT202100002357A1; CN111288654A; EP4375573A1

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

DOCDB simple family (publication)
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