

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 B1 20170802 (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
F15C 1/22 (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)

Cited by
EP4375573A1; IT202100002357A1

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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