

Title (en)
Heat-exchange device for a gas burner

Title (de)
Wärmetauschervorrichtung eines Gasbrenners

Title (fr)
Dispositif d'échangeur thermique de brûleur à gaz

Publication
EP 1843101 B1 20140226 (FR)

Application
EP 07105523 A 20070403

Priority
FR 0602884 A 20060403

Abstract (en)
[origin: EP1843101A2] The exchanger (1) has a large diameter tubular part (2) forming a combustion chamber, and two small diameter pipes (4, 5) disposed with respect to each other, where the diameter of the tubular part is 2 or 2.5 times the diameter of the pipes. A bi-conical connecting rod (3) is fixed to the tubular part and the pipes. The tubular part, connecting rod and the pipes form an open ring while leaving a central space of the ring to be free. An exhaust manifold (8) is arranged perpendicular to a downstream end of the pipes.

IPC 8 full level
F24C 15/32 (2006.01); **F28D 7/08** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)
F24C 15/322 (2013.01); **F28D 7/08** (2013.01); **F28F 9/26** (2013.01)

Cited by
ITTO20100632A1; ITVE20110067A1; ITUB20159610A1; DE102018122053A1; EP2236038A1; FR2943890A1; CN105143773A; JP2016521345A; US9372005B2; WO2017109717A1; WO2012012479A1

Designated contracting state (EPC)
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EP 1843101 A2 20071010; EP 1843101 A3 20121205; EP 1843101 B1 20140226; FR 2899317 A1 20071005

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