

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 A3 20121205 (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); **F28F 1/00** (2006.01)

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

Citation (search report)

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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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1843101 A2 20071010; EP 1843101 A3 20121205; EP 1843101 B1 20140226; FR 2899317 A1 20071005

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EP 07105523 A 20070403; FR 0602884 A 20060403