

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 A2 20071010 (FR)**

Application  
**EP 07105523 A 20070403**

Priority  
FR 0602884 A 20060403

Abstract (en)  
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.

Abstract (fr)  
Dispositif d'échangeur thermique 1 de brûleur à gaz de four de cuisine, comprenant une partie tubulaire 2 de grand diamètre formant chambre de combustion, deux conduites de petit diamètre 4, 5 et un tronc biconique de raccordement 3 entre la partie tubulaire 2 de grand diamètre et les conduites de petit diamètre 4, 5, la partie tubulaire 2 de grand diamètre, le tronc biconique de raccordement 3, et au moins une conduite de petit diamètre 4, 5 formant un anneau ouvert laissant libre un espace central.

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

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

DOCDB simple family (application)  
**EP 07105523 A 20070403**; FR 0602884 A 20060403