

Title (en)
Combustion gas heat exchanger

Title (de)
Rauchgas-Wärmetauscher

Title (fr)
Echangeur de chaleur pour gaz de combustion

Publication
EP 1108963 A3 20030108 (DE)

Application
EP 00127480 A 20001214

Priority
DE 19961133 A 19991217

Abstract (en)
[origin: DE19961133C1] The heat exchanger, such as at the exhaust gas channel from a gas heating system, has two housing shells (10,11). When they are closed together, they form an exhaust gas inlet (16), coupled to the combustion chamber (15), and an exhaust gas channel (17) leading to the outlet (25). At least one lateral rib (26-30) is at least at one inner wall (31,32), at right angles to the exhaust gas flow direction.

IPC 1-7
F24H 3/06; **F24H 3/00**; **F28F 3/02**; **F28D 9/00**

IPC 8 full level
F24H 3/00 (2006.01); **F28D 9/00** (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP)
F24H 3/006 (2013.01); **F28D 9/0031** (2013.01); **F28F 3/02** (2013.01); **F28F 2250/102** (2013.01)

Citation (search report)

- [X] EP 0262546 A2 19880406 - KREIS TRUMA GERAETEBAU [DE]
- [X] EP 0254760 A1 19880203 - KREIS TRUMA GERAETEBAU [DE]
- [AD] DE 19745424 A1 19990304 - FARFURAK VITALIJ [DE]
- [A] WO 8304432 A1 19831222 - PRICE EDWIN A
- [A] GB 1330255 A 19730912 - KREIS P
- [A] US 4982785 A 19910108 - TOMLINSON RONALD S [US]
- [A] US 4586484 A 19860506 - MOSSBACH WILHELM [DE]
- [A] US 3399661 A 19680903 - PHILIPP KREIS
- [A] DE 1454296 B1 19720309 - KREIS PHILIPP
- [A] US 4421095 A 19831220 - KREIS PHILIPP [DE]
- [A] EP 0599796 A1 19940601 - SAINT ROCH COUVIN SA NV [BE]
- [A] US 3870052 A 19750311 - PATRICK MALCOLM W, et al
- [AD] DE 3730137 A1 19890316 - RUDOLF JUSTL GMBH [AT]

Cited by
US12043081B2; USD905217S; USD907183S; USD944374S; US11772452B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
DE 19961133 C1 20010426; DE 50011206 D1 20060202; EP 1108963 A2 20010620; EP 1108963 A3 20030108; EP 1108963 B1 20050921

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