

Title (en)
HEAT EXCHANGER MOULDED FROM REFRACTORY MATERIAL

Publication
EP 0131502 B1 19880127 (FR)

Application
EP 84401324 A 19840625

Priority
FR 8311495 A 19830711

Abstract (en)
[origin: ES8603064A1] Heat exchanger for sepd. fluids with separate channels for the fluid to be heated and the are to be cooled, comprises a body contg. the channels moulded by casting refractory material which sets at ambient temp. with a shrinkage less than 0.5%, at least one of the channels including at least one bend, the body being completely monolithic. - The refractory material contains fused and cast grains of one of the systems: ZrO₂-SiO₂, ZrO₂-SiO₂-Al₂O₃ and ZrO₂-SiO₂-Al₂O₃-Cr₂O₃.
[origin: ES8603064A1] Heat exchanger for sepd. fluids with separate channels for the fluid to be heated and the are to be cooled, comprises a body contg. the channels moulded by casting refractory material which sets at ambient temp. with a shrinkage less than 0.5%, at least one of the channels including at least one bend, the body being completely monolithic. - The refractory material contains fused and cast grains of one of the systems: ZrO₂-SiO₂, ZrO₂-SiO₂-Al₂O₃ and ZrO₂-SiO₂-Al₂O₃-Cr₂O₃.

IPC 1-7
F28F 7/02; **F28F 21/04**

IPC 8 full level
C04B 35/48 (2006.01); **F28D 17/02** (2006.01); **F28D 21/00** (2006.01); **F28F 7/02** (2006.01); **F28F 21/04** (2006.01)

CPC (source: EP US)
F28F 7/02 (2013.01 - EP US); **F28F 21/04** (2013.01 - EP US); **Y10S 165/395** (2013.01 - EP US); **Y10S 165/905** (2013.01 - EP US)

Cited by
FR2622882A1; EP0451469A1; GB2361054A; GB2361054B; WO9207226A1

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DOCDB simple family (publication)
EP 0131502 A1 19850116; **EP 0131502 B1 19880127**; DE 3469058 D1 19880303; ES 534181 A0 19851116; ES 8603064 A1 19851116; FR 2549215 A1 19850118; FR 2549215 B1 19880624; JP H0361118 B2 19910918; JP S6038591 A 19850228; US 4711298 A 19871208; US 4770828 A 19880913

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