

Title (en)
HEAT EXCHANGER, IN PARTICULAR FOR HEAT EXCHANGE BETWEEN GASEOUS FLUIDS

Publication
EP 0044561 A3 19820714 (DE)

Application
EP 81105742 A 19810721

Priority
HU 182180 A 19800721

Abstract (en)
[origin: EP0044561A2] A heat exchanger, preferably made of plastic and in particular for heat exchange between gaseous fluids, has flow channels (1, 2) separated from one another by plates, the flow channels (1, 2) of the primary side and of the secondary side following one another alternately. It is characteristic of the heat exchanger according to the invention that of the primary-side and/or the secondary-side channels (1, 2) at least one whole side (3) and the sides (4) determining the height of the flow channel are formed by an element (5) extruded in one piece or pressed, or at least three of the outer sides of each second flow channel, that is to say all primary-side and all secondary-side flow channels (1, 2), consist of a plastic element (5) extruded in one piece, or a pressed metal element (5). <IMAGE>

IPC 1-7
F28F 3/08; **F28F 21/06**; **F28F 9/02**

IPC 8 full level
F28D 9/00 (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)
F28D 9/0037 (2013.01); **F28D 9/0081** (2013.01); **F28F 21/065** (2013.01)

Citation (search report)
• FR 2189695 A1 19740125 - PLOMBERIE STE G & NERALE [FR]
• DE 2611399 A1 19770922 - M & D KLIMA SYSTEM AG
• US 1662870 A 19280320 - STANCLIFFE CECIL W
• FR 1253638 A 19610210 - HOECHST AG
• US 4130160 A 19781219 - DZIEDZIC CHESTER J, et al
• GB 528623 A 19401104 - ARTHUR BLAND TILLOTSON
• FR 2317617 A1 19770204 - ALUSUISSE [CH]
• FR 2424503 A1 19791123 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
• FR 2469684 A1 19810522 - THERMO ELECTRONIQUE FRANCE SA [FR]
• DE 2706253 A1 19780817 - ROSENTHAL TECHNIK AG
• FR 2230403 A1 19741220 - DU PONT [US]

Cited by
BE1011595A3; EP0223995A3; FR2624594A1; DE19710661A1; US4872504A; EP0097726A1; EP1555500A3; DE102009033157A1; CN105190218A; EP0315052A1; US4907648A; DE3207213A1; EP3223357A4; GB2118291A; EP0086175A3; EP0560676A1; FR2688582A1; FR2628194A1; EP0265528A4; DE102015104959A1; DE102015104959B4; US6983788B2; EP0165179A1; US4719970A; DE102005001382B4; EP1203923A2; US7640662B2; WO8302997A1; WO8905433A1; US10847850B2; WO2011071446A1

Designated contracting state (EPC)
DE GB SE

DOCDB simple family (publication)
EP 0044561 A2 19820127; **EP 0044561 A3 19820714**

DOCDB simple family (application)
EP 81105742 A 19810721