

Title (en)

Heat exchanger for a heater, especially for a vehicle heater

Title (de)

Wärmetauscheranordnung für eine Heizeinrichtung, insbesondere eine Kraftfahrzeugheizeinrichtung

Title (fr)

Echangeur de chaleur pour une chaudière, en particulier pour systèmes de chauffage de véhicules automobiles

Publication

EP 1296101 A3 20031210 (DE)

Application

EP 02015117 A 20020705

Priority

DE 10146610 A 20010921

Abstract (en)

[origin: EP1296101A2] The heat exchanger has a housing (22) with base (26) and wall (36). On one side (40) of the base, and facing the housing's interior, is a protuberance (42) in the form of a ridge protruding from the wall (30). The base protuberance has a star-shaped pattern of protruding designs (44).

IPC 1-7

F24H 1/26; **F24H 9/00**

IPC 8 full level

F24H 1/26 (2006.01)

CPC (source: EP)

F24H 1/263 (2013.01)

Citation (search report)

- [X] FR 2617579 A1 19890106 - AIRELEC IND [FR]
- [X] DE 3807189 A1 19890914 - WEBASTO AG FAHRZEUGTECHNIK [DE]

Cited by

EP1589298A3; EP2489534A1; CN102642455A; US9482447B2; WO2016012514A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1296101 A2 20030326; **EP 1296101 A3 20031210**; **EP 1296101 B1 20120620**; DE 10146610 A1 20030424

DOCDB simple family (application)

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