

Title (en)
Stacked type heat exchanger

Title (de)
Wärmetauscher in Stapelbauweise

Title (fr)
Echangeur de chaleur du type empilé

Publication
EP 1189009 A1 20020320 (EN)

Application
EP 00308063 A 20000915

Priority
EP 00308063 A 20000915

Abstract (en)
In a "stacked" type heat exchanger having a stack of elements (2) through the interior of which a first fluid flows and having a core support (5) arranged at the end of the stack in the stacked direction, the core support (5) includes slits (6) that extend from its edges up to the central portion, the slits (6) capable of slightly deforming when subjected to a thermal stress. It is thus possible to reduce the thermal stress which may be applied to both the core support (5) and the elements (2) when there arises a difference of thermal expansion therebetween. <IMAGE>

IPC 1-7
F28D 9/00; **F28D 1/03**

IPC 8 full level
F28D 1/03 (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)
F28D 1/0325 (2013.01); **F28D 9/0043** (2013.01); **F28F 2240/00** (2013.01); **F28F 2265/26** (2013.01)

Citation (search report)
• [Y] US 5692559 A 19971202 - CHEONG ALEX S [CA]
• [Y] FR 2625301 A3 19890630 - VALEO CHAUSSON THERMIQUE [FR]

Cited by
EP1593923A1; GB2593472A; GB2593472B; US11486648B2; JPWO2018139649A1; JP2022008923A; WO2012045845A1; WO2018139649A1; WO2021191590A1; WO2005108895A1; US8826663B2; US10260822B2

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