

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Échangeur de chaleur

Publication
EP 2199723 A1 20100623 (EN)

Application
EP 08171770 A 20081216

Priority
EP 08171770 A 20081216

Abstract (en)
A heat exchanger, comprising a circular housing having a first and a second end plate (6,7), where the first end plate is provided with an inlet port (2) and the first or the second end plate is provided with an outlet port (3), and further comprising a plurality of corrugated heat exchanger plates (10,11) having ridges (12) and grooves (13), where the heat exchanger plates are fixedly attached to each other, such that a first flow channel is created between the heat exchanger plates, and where the heat exchanger further comprises a plurality of compensation plates (20) positioned between the heat exchanger plates (6,7) and at least one of the end plates. The advantage of this heat exchanger is that it reduces the stress imposed on the inlet and outlet regions of the heat exchanger due to thermal cycling.

IPC 8 full level
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F28F 2265/26 (2013.01 - EP US)

Citation (applicant)
• US 7004237 B2 20060228 - MATHUR ACHINT P [US], et al
• US 6474408 B1 20021105 - YEH EDWARD YUHUNG [US], et al
• US 6892797 B2 20050517 - BEDDOME DAVID W [US], et al

Citation (search report)
• [XDY] US 2003000688 A1 20030102 - MATHUR ACHINT P [US], et al
• [Y] US 2003116305 A1 20030626 - BEDDOME DAVID W [US], et al
• [AD] US 5368095 A 19941129 - KADAMBI VEDANTH [US], et al
• [A] DATABASE WPI Section Ch Week 26, Derwent World Patents Index; Class J08, AN 1983-63334K, XP002527541

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