

Title (en)
Manifold for heat exchanger

Title (de)
Sammelrohr für Wärmetauscher

Title (fr)
Collecteur pour échangeur de chaleur

Publication
EP 1744117 A1 20070117 (EN)

Application
EP 05076629 A 20050715

Priority
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Abstract (en)
The invention relates to a manifold for use in a heat exchanger comprising a manifold body comprising side walls and a base wall, the side walls having an edge region opposite to the base wall comprising an inwardly facing edge region, an outwardly facing edge region and a peripheral edge region and forming an aperture for receiving end portions of heat transfer tubes, wherein the manifold comprises a plastic insert plate comprising at least one opening for receiving the end portions of the heat transfer tubes, the plastic insert plate being fastened to the side walls of the manifold body at or near the edge region. The invention also relates to a heat exchanger comprising the inventive manifold and to process for assembling the said manifold and heat exchanger.

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Citation (applicant)
US 5351751 A 19941004 - CAGE LYNN L [US], et al

Citation (search report)

- [XY] DE 20307881 U1 20040923 - AUTOKUEHLER GMBH & CO KG [DE]
- [XY] US 6296051 B1 20011002 - SAHNOUN ABDEL-JALIL [FR], et al
- [XY] US 5865244 A 19990202 - MOSER GEORGE [US]
- [Y] FR 2746178 A1 19970919 - VALEO THERMIQUE MOTEUR SA [FR]
- [XA] EP 0978702 A1 20000209 - SIERRA S P A [IT]

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