

Title (en)
A MANIFOLD FOR A HEAT EXCHANGER

Title (de)
VERTEILER FÜR EINEN WÄRMETAUSCHER

Title (fr)
COLLECTEUR POUR ÉCHANGEUR DE CHALEUR

Publication
EP 4015974 A1 20220622 (EN)

Application
EP 20214343 A 20201215

Priority
EP 20214343 A 20201215

Abstract (en)
A manifold (100) for a heat exchanger (200) includes a header (110) and a cover (120). The header (110) includes a bottom wall (112) and two sidewalls (114) and (116). Each sidewall (114, 116) has a first section (114a, 116a) with a first thickness "t" and a second section (114b, 116b) with a second thickness "T". The first thickness "t" is smaller than the second thickness "T" and steps (118a) and (118b) formed at interface of the first section (114a, 116a) and the second section (114b, 116b) of the respective side wall (114, 116) are disposed within the inside volume of the manifold (100). The cover (120) includes cover walls (122) and (124) corresponding to the sidewalls (114) and (116) of the header (110) that rests on the respective opposite steps (118a) and (118b).

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP)
F28F 9/0224 (2013.01)

Citation (search report)

- [X] WO 2015007551 A1 20150122 - VALEO SYSTEMES THERMIQUES [FR]
- [X] WO 2012000844 A1 20120105 - VALEO SYSTEMES THERMIQUES [FR], et al
- [X] WO 2011048050 A1 20110428 - VALEO SYSTEMES THERMIQUES [FR], et al
- [X] FR 2808321 A1 20011102 - VALEO THERMIQUE MOTEUR SA [FR]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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