

Title (en)
A MANIFOLD

Title (de)
VERTEILER

Title (fr)
COLLECTEUR

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Application
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Abstract (en)
The object of the invention is, among others, a manifold (1) for distribution of a fluid in a heat exchanger (100), the manifold (1) elongating along a longitudinal axis (L1) and comprising a first longer side (101) and a second longer side (102) parallel to the longitudinal axis (L1), a first short side (103) and a second short side (104) substantially perpendicular to the longitudinal axis (L1), wherein the manifold (100) further comprises: a cover (10) extending along the axis of elongation of the manifold (10), wherein the cover (10) comprises at least one channel (10a, 10b) for the fluid, and a header (20) configured to close the channel for the fluid within the manifold (1), wherein the header (20) is configured to be fixed to the cover (10), characterized in that at least one channel (10a, 10b) comprises at least a first channel section (11) and a second channel section (12), wherein the first channel section (11) is different than the second channel section (12).

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Citation (search report)
• [X] US 2016195335 A1 20160707 - NISHIYAMA TAKUMI [JP], et al
• [X] US 11098927 B2 20210824 - HIGASHIUE SHINYA [JP], et al
• [X] US 2016169595 A1 20160616 - MATSUDA TAKUYA [JP], et al
• [X] EP 3499169 B1 20200527 - MITSUBISHI ELECTRIC CORP [JP]
• [X] US 2008029256 A1 20080207 - DURR GOTTFRIED [DE], et al

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