

Title (en)
FEEDING PLATE FOR HEAT EXCHANGER

Title (de)
VERSORGUNGSPLATTE FÜR WÄRMEAUSTAUSCHER

Title (fr)
PLAQUE D'ALIMENTATION POUR ÉCHANGEUR THERMIQUE

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EP 3517879 A1 20190731 (EN)

Application
EP 18153416 A 20180125

Priority
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Abstract (en)
The invention is dedicated to a feeding plate (100) that is suitable for regulating the coolant flow rate that goes through said feeding plate (100), regarding its longitudinal axis (L1). More precisely, said feeding plate (100) comprises at least one set (130a, 130b) of holes (131-133) that are longitudinally arranged along the feeding plate (100). The area of each hole (131-133) is increasing regarding the longitudinal axis (L1), each hole's area getting greater while the distance between said hole (131-133) and an input opening (110) is getting larger. The invention aims also at providing a manifold (10) for heat exchanger (1) that includes such feeding plate (100), and also a heat exchanger (1) including such manifold (10).

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CPC (source: EP)
F28F 9/0221 (2013.01); **F28F 9/0224** (2013.01); **F28F 9/0278** (2013.01)

Citation (applicant)
• US 2007209386 A1 20070913 - HIGASHIYAMA NAOHISA [JP], et al
• US 2017209386 A1 20170727 - PAGELS ROBERT F [US], et al

Citation (search report)
• [X] US 2006236718 A1 20061026 - LUNDBERG ERIK L [US]
• [X] WO 2016175193 A1 20161103 - DENSO CORP [JP]
• [XI] US 2011139421 A1 20110616 - COYLE BRIAN J [US], et al
• [X] US 1484749 A 19240226 - YEAGER HENRY M
• [X] WO 2013073842 A1 20130523 - LG ELECTRONICS INC [KR]
• [XD] US 2007209386 A1 20070913 - HIGASHIYAMA NAOHISA [JP], et al
• [A] EP 2060866 A1 20090520 - VALEO SYSTEMES THERMIQUES [FR]

Cited by
EP3809088A1; WO2022033947A1; WO2021069060A1

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