

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 2520888 A1 20121107 (EN)

Application
EP 12166612 A 20120503

Priority
IT TO20110392 A 20110503

Abstract (en)
A heat exchanger comprises a through pipe (2), a first flange (4) and a second flange (4'), which are traversed by said through pipe (2) and define, respectively, at least one inlet (5) and one outlet (8), and a sleeve (3), which houses at least partially in an axial direction the through pipe (2) and is fixed to the latter in a fluid-tight way via the first and second flanges (4, 4'). Moreover, a plurality of channels (11) are defined at least partially between the through pipe (2) and the sleeve (3), a first annular chamber (6) is fluidically set between the channels (11) and the inlet (5), and a second annular chamber (9) is fluidically set between the channels (11) and the outlet (8). In particular, the hydraulic resistance (R1) of the channels (11) varies along the circumference for controlling the flowrate of fluid at inlet to each channel (11).

IPC 8 full level
F28D 7/10 (2006.01)

CPC (source: EP)
F28D 7/106 (2013.01)

Citation (search report)

- [A] US 6098704 A 20000808 - TSUCHIYA SHIZUO [JP], et al
- [A] KR 20100111610 A 20101015 - HS R & A CO LTD [KR]
- [A] EP 2199721 A1 20100623 - HUTCHINSON [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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