

Title (en)
Heat exchange device

Title (de)
Wärmetauschervorrichtung

Title (fr)
Dispositif échangeur de chaleur

Publication
EP 1995542 A3 20090708 (EN)

Application
EP 08156712 A 20080522

Priority
IT UD20070087 A 20070524

Abstract (en)
[origin: EP1995542A2] Heat exchange device (10) comprising a first tubular pipe (11) having inside it a first cylindrical cavity (12) in which a first fluid flows, and a second tubular pipe (16) in which a second fluid flows which in turn exchanges heat with the first fluid. The second tubular pipe (16) is disposed coaxial inside the first cylindrical cavity (12) of the first tubular pipe (11), creating with the first tubular pipe (11) a first annular interstice (17) for the passage of the first fluid. The device (10) is advantageously associated with a source of heating and the second tubular pipe (16) comprises inside it a second cylindrical through cavity (19), which defines another passage for the first fluid, so as to allow it to flow both outside the second tubular pipe (16), through the first annular interstice (17), and also inside the second tubular pipe (16), through the second cylindrical cavity (19).

IPC 8 full level
F28D 7/10 (2006.01); **F28F 1/08** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)
F28D 7/103 (2013.01); **F28F 1/08** (2013.01); **F28F 9/26** (2013.01)

Citation (search report)
• [X] EP 0276521 A1 19880803 - SCHMIDT W GMBH CO KG [DE]
• [X] DE 3100021 A1 19820729 - WITZENMANN METALLSCHLAUCHFAB [DE]
• [X] EP 1388720 A2 20040211 - MAHLE TENNEX CORP [JP]
• [X] GB 190505943 A 19050914 - BECKETT EDWARD HENRY
• [X] GB 158483 A 19210210 - WILLIAM ALBERT WHITE

Cited by
ITRM20100341A1; CN102425814A; WO2022175566A1

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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EP 08156712 A 20080522; IT UD20070087 A 20070524