

Title (en)

DISTRIBUTOR UNIT FOR HEATING AND/OR COOLING SYSTEMS OPERATING BY A HEAT CARRIER CAPABLE OF FLOWING

Publication

EP 0087733 B1 19870429 (DE)

Application

EP 83101712 A 19830223

Priority

- DE 3207372 A 19820302
- DE 3216610 A 19820504

Abstract (en)

[origin: EP0087733A1] 1. Distributor unit for heating and/or cooling installations which operate with a flowable heat exchange medium, for connection of a plurality of flow circuits with like or equivalent distributor elements with lead and return chambers (11, 12) as well as in some cases integrally installed valves and fittings in a control section on transverse distributors (4, 14, 15, 71, 72), the distributor elements being grouped together in a side-by-side arrangement with intermediate spaces between them and distributor elements of other flow circuits, the arrangement resembling a panel and the distributor elements being enclosed by a heat insulation, characterised in that lead and return lines are in each case constructed in a common hollow column as distributor columns (1, 2, 3) which are subdivided by a heat-permeable partition (9) into two chambers (11, 12), each distributor column being enclosed by a heat lagging engaging around the entire outer periphery, and in that the valves, such as check, throttle, regulating and reversing elements (22, 23, 36, 32, 35), delivery pumps (29, 291) and the like are disposed in the interior of the chambers (11, 12), being connected through the heat lagging layer (43, 44) to their positioning devices which are on the outside in relation to the chambers.

IPC 1-7

F24D 3/10

IPC 8 full level

F24D 3/10 (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP US)

F24D 3/1066 (2013.01 - EP); **F24D 19/1009** (2013.01 - EP US)

Cited by

EP1039249A3; FR2635373A1; FR2830317A1; EP1059491A3; GB2388422A; FR2712073A1; WO2022131661A1

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