

Title (en)

Manifold for a refrigerant circulating within an air conditioning cycle, and air conditioning cycle with a such manifold

Title (de)

Verteilerblock für Kühlmittel zirkulierend im Innern einer Klimaanlage, und Klimaanlage mit einem solchen Verteilerblock

Title (fr)

Bloc de distribution d'un fluide réfrigérant circulant à l'intérieur d'une boucle de climatisation et boucle de climatisation comprenant un tel bloc de distribution

Publication

EP 2336682 A2 20110622 (FR)

Application

EP 10194316 A 20101209

Priority

FR 0906130 A 20091217

Abstract (en)

The block (22) has inlets (E1-E9) providing coolant (FR) e.g. carbon dioxide, at an interior of the block, and outlets (S1-S4) for providing the coolant outside the block, where each outlet is in fluidic relation with the two inlets by a channel (C1). The channel is equipped with a gate (V1) and provided with a recreation unit (D1). One of the outlets, the two inlets, channel, other channel (C2), a valve, the gate and the recreation unit are constituted to form a sub assembly (SE1). An independent claim is also included for an air-conditioning loop comprising a distribution block.

Abstract (fr)

L'invention a pour objet un bloc de distribution (22) apte à gérer la circulation d'un fluide réfrigérant FR à l'intérieur d'une boucle de climatisation (4). Le bloc de distribution (22) comprend neuf entrées E 1 , E 2 , E 3 , E 4 , E 5 , E 6 , E 7 , E 8 , E 9 de fluide réfrigérant FR à l'intérieur du bloc de distribution (22) et quatre sorties S 1 , S 2 , S 3 , S 4 de fluide réfrigérant FR hors du bloc de distribution (22). Chaque sortie S 1 , S 2 , S 3 , S 4 est en relation fluidique avec au moins deux entrées E 1 , E 2 , E 3 , E 4 , E 5 , E 6 , E 7 , E 8 , E 9 .

IPC 8 full level

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CPC (source: EP US)

F25B 40/00 (2013.01 - EP US); **F25B 41/20** (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 43/006** (2013.01 - EP US); **F25B 2339/047** (2013.01 - EP US); **F25B 2600/2511** (2013.01 - EP US)

Citation (applicant)

JP H06239131 A 19940830 - NIPPON DENSO CO

Cited by

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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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