

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 extension state (EPC)

BA ME

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