

Title (en)

Device for adjusting the subcooling of the coolant downstream from the condenser of a refrigeration system and system including this device

Title (de)

Vorrichtung zum Regulieren der Unterkühlung des Kühlmittels stromabwärts des Verflüssigers einer Kühlanlage und Kühlanlage, die diese Vorrichtung enthält

Title (fr)

Dispositif pour réguler le sous-refroidissement du réfrigérant en aval du condenseur d'une installation frigorifique et installation incluant ce dispositif

Publication

**EP 1970649 A1 20080917 (FR)**

Application

**EP 07447020 A 20070316**

Priority

EP 07447020 A 20070316

Abstract (en)

The installation has a condenser (2) with a bypass (5) that passes gas towards liquid coolant reservoir (3). Controlled valves (4a, 4b) are arranged on a main duct between the bypass and the condenser, where the bypass has other controlled valves (5a, 5b). An anti-return valve (6) is arranged between an outlet of the condenser and a liquid cooling injection (9). The valves (4a, 4b, 5a, 5b) permit to automatically and continuously regulate condensation pressure of coolant fluid and pressure of the fluid in downstream of the condenser following sub-cooling.

Abstract (fr)

La présente invention se rapporte à une installation de réfrigération caractérisée en ce qu'elle comprend des moyens de réguler de façon distincte, continue et automatique (4A,4B ;5,5A,5B), d'une part, la pression de condensation du fluide réfrigérant et d'autre part, la pression de celui-ci en aval du condenseur (2), et par suite le sous-refroidissement.

IPC 8 full level

**F25B 41/00** (2006.01)

CPC (source: EP US)

**F25B 41/00** (2013.01 - EP); **F25B 41/20** (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 49/027** (2013.01 - EP US); **F25B 2400/0403** (2013.01 - EP); **F25B 2600/17** (2013.01 - EP); **F25B 2600/2501** (2013.01 - EP)

Citation (search report)

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