

Title (en)

Refrigeration system, using a two or more component mixture, with at least one compressor unit

Title (de)

Kälteanlage, betrieben mit einem Zwei- oder Mehrstoffgemisch, mit mindestens einer Kompressoreinheit

Title (fr)

Système frigorifique utilisant un mélange de deux ou plusieurs composants avec au moins une unité de compresseur

Publication

EP 1265042 A3 20030625 (DE)

Application

EP 02012220 A 20020604

Priority

AT 8692001 A 20010605

Abstract (en)

[origin: EP1265042A2] The system has at least one compressor unit whose output branches into one or more sub-flows of vapor with higher coolant concentrations at a pressure below the system's high pressure level feeding an absorber unit(s) in which admixture of absorbent and condensation takes place. The compressed high pressure vapor is fed to the expeller in which separation of cooling, absorber material occurs to output approximately pure saturated coolant vapor. The system has at least one compressor unit (1), liquefier (2), evaporator (4) and absorber unit (6) and an expeller (7). The compressor unit output branches into one or more sub-flows (10) of vapor with higher coolant concentrations at a pressure below the system's high pressure level that are fed into one or more absorber units in which admixture of absorbent and condensation takes place. The compressed high pressure vapor flow is fed to the expeller, in which separation of the cooling and absorber material takes place so that an approximately pure coolant vapor emanates from the expeller in a saturated vapor state.

IPC 1-7

F25B 25/02

IPC 8 full level

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CPC (source: EP)

F25B 25/02 (2013.01)

Citation (search report)

- [A] US 4586344 A 19860506 - LUTZ IRVIN H [US], et al
- [A] US 4505133 A 19850319 - MALEWSKI WERNER [DE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04 31 August 2000 (2000-08-31)

Designated contracting state (EPC)

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