

Title (en)

Open two stage cold air refrigerating installation.

Title (de)

Offene, zweistufige Kaltluft-Kältemaschinen-Anlage.

Title (fr)

Installation frigorifique ouverte à air froid à deux étages.

Publication

EP 0672872 A3 19960612 (DE)

Application

EP 95103539 A 19950311

Priority

DE 4408938 A 19940316

Abstract (en)

[origin: EP0672872A2] The refrigeration circuit has a pre-compressor (1), a heat exchanger (3), a compressor (4), a second heat exchanger (5) and an air expansion turbine (6). A separate pre-compressor (7) is provided for the circulated air (U) extracted from the cooled space (8), the first pre-compressor used for external air (A), with initial mixing of the compressed air at the first heat exchanger, or at a mixing point (2) in front of the heat exchanger. Pref. both pre-compressors are driven by a common electric motor (9), with a drive coupling between the compressor and the air expansion turbine.

IPC 1-7

F25B 9/00

IPC 8 full level

F25B 9/00 (2006.01)

CPC (source: EP)

F25B 9/004 (2013.01)

Citation (search report)

- [A] EP 0581237 A1 19940202 - NORD SYSTEMTECHNIK [DE]
- [AD] DD 270359 A1 19890726 - VERKEHRSWESSEN HOCHSCHULE [DD]

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0672872 A2 19950920; EP 0672872 A3 19960612; DE 4408938 A1 19950921

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