

Title (en)

Strategic modular refrigeration system with linear compressors

Title (de)

Strategisches modulares K hlungssystem mit linearen Kompressoren

Title (fr)

Syst me de r frig ration modulaire strat gique avec compresseurs lineaires

Publication

EP 1707898 A3 20070321 (EN)

Application

EP 05255583 A 20050912

Priority

US 7733705 A 20050310

Abstract (en)

[origin: EP1707898A2] A modular commercial refrigeration unit constructed and arranged for placement in strategic proximity to a plurality of associated product cooling zones within a shopping area includes a refrigeration rack proximate to a shopping area and configured to accommodate maximum refrigeration loads of the associated product cooling zones. The refrigeration rack has an optimum footprint. The refrigeration rack is constructed to support components of a closed refrigeration circuit including associated high side and low side refrigerant delivery and suction means extending from the rack and being operatively connected to a plurality of evaporators for cooling the associated product cooling zones. The modular refrigeration unit also includes a linear compressor and a cooling source remote from the refrigeration unit that provides a cooling relationship with a condenser for providing optimum condensing and efficiency of the evaporators in cooling the associated product cooling zones.

IPC 8 full level

F25B 1/02 (2006.01)

CPC (source: EP US)

A47F 3/0482 (2013.01 - EP US); **F25B 1/02** (2013.01 - EP US); **F25B 5/02** (2013.01 - EP US); **F25B 2400/073** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2400/22** (2013.01 - EP US); **F25B 2600/02** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1707898 A2 20061004; EP 1707898 A3 20070321; US 2006201175 A1 20060914

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