Title (en)

Continuous air cooling method for medium-temperature refrigerating displays of shop equipment

Title (de)

Verfahren zur kontinuierlichen Luftkühlung für Kühltheken mit mittlerer Temperatur von Ladenausstattungen

Title (fr)

Procédé de refroidissement d'air continu pour affichages réfrigérant à température moyenne d'un équipement de magasin

Publication

EP 1855071 A3 20080319 (EN)

Application

EP 07107903 A 20070510

Priority

UA A200605187 A 20060511

Abstract (en)

[origin: EP1855071A2] A method of continuous air cooling of the medium-temperature gastronomic refrigerating displays of shop equipment with the air cooler consisting of two independent evaporators (7,9) have been proposed. The air cooling is being effected with both evaporators (7,9) simultaneously whereas defrosting of evaporators is being effected by turns so that the defrosting cycle of one of the evaporators (7,9) is effected with a time shift relative to another evaporator by ½ of the defrosting period. During the entire defrosting period of one of the evaporators (7,9) the refrigerant supply to the other (cooling) evaporator is being effected continuously irrespective of the preset temperature control program.

IPC 8 full level

F25D 21/00 (2006.01); A47F 3/04 (2006.01); F25D 17/06 (2006.01); F25D 21/12 (2006.01)

CPC (source: EP)

A47F 3/0443 (2013.01); F25D 17/067 (2013.01); F25D 21/008 (2013.01); F25D 21/125 (2013.01); F25B 5/00 (2013.01); F25B 2347/021 (2013.01)

Citation (search report)

- [X] US 4741171 A 19880503 - TOSHIYUKI FUKUDA [JP]
- [A] US 3572052 A 19710323 - TOTH STEVEN J
- [A] FR 2778970 A1 19991126 - AUSTRIA HAUS TECHNIK AKTIENGES [AT]

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CN106595200A; EP3141846A1; CN112762658A

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07107903 A 20070510; UA A200605187 A 20060511