

Title (en)

Method of operating a refrigeration plant and refrigerating plant for carrying out the method

Title (de)

Verfahren zum Betreiben einer Kälteanlage und Kälteanlage zum Betreiben dieses Verfahrens

Title (fr)

Procédé de conduite d'une installation frigorifique et installation frigorifique pour la conduite d'un tel procédé

Publication

EP 0627602 B1 19980325 (DE)

Application

EP 94108397 A 19940531

Priority

DE 4318671 A 19930604

Abstract (en)

[origin: EP0627602A2] Method for operating a "compound" refrigerating plant which alternately runs through cooling and defrosting phases, comprising a refrigerant circuit (cycle), a compressor, a condenser, a throttling (expansion) valve and an evaporator via which the cooling of the cooling agent (nonfreezing solution, secondary fluid) circulating in a cooling agent circuit is performed. After the cooling agent is cooled it is fed to one or more air (unit) (coolers) (air cooling batteries) arranged in parallel and subsequently fed again to the evaporator by means of a pump. At least a portion of the cooling agent is heated during the cooling phase in indirect heat exchange or, by means of a further cooling agent circuit arranged between the refrigerant and cooling agent circuits, by the refrigerant, which is superheated during the cooling phase in the compressor. After termination of the cooling phase, the cooling agent heated in this way circulates for the purpose of defrosting the air coolers in the cooling agent circuit.

IPC 1-7

F25B 1/00

IPC 8 full level

F25B 1/00 (2006.01); **F25B 7/00** (2006.01)

CPC (source: EP)

F25B 7/00 (2013.01); **F25B 2400/22** (2013.01)

Cited by

WO2008112554A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0627602 A2 19941207; **EP 0627602 A3 19950201**; **EP 0627602 B1 19980325**; AT E164440 T1 19980415; DE 4318671 A1 19941208; DE 59405503 D1 19980430

DOCDB simple family (application)

EP 94108397 A 19940531; AT 94108397 T 19940531; DE 4318671 A 19930604; DE 59405503 T 19940531