

Title (en)

A refrigerating plant comprising a plate-type flooded evaporator

Title (de)

Kühlanlage mit überflutetem plattenverdampfer

Title (fr)

Installation frigorifique dotée d'un évaporateur noyé à plaques

Publication

EP 2233866 A1 20100929 (EN)

Application

EP 10157976 A 20100326

Priority

IT BO20090195 A 20090327

Abstract (en)

A refrigerating plant (1; 11) comprising a flooded evaporator (2), a compressor (3), a condenser (4) and a thermal expansion valve (6). The flooded evaporator (2) is of the plate type and the regenerative exchanger (5) is connected to the evaporator through the thermal expansion valve (6; 13) for letting the refrigeration liquid through and for receiving the refrigeration liquid coming from the condenser (4). In the regenerative exchanger (5) there taking place a vaporization step of the biphasic mixture coming from the flooded evaporator (2) by means of a high thermal inertia of the condensed refrigeration liquid.

IPC 8 full level

F25B 40/00 (2006.01)

CPC (source: EP)

F25B 40/00 (2013.01); **F25B 2400/053** (2013.01); **F25B 2400/16** (2013.01)

Citation (search report)

- [X] JP 2004069142 A 20040304 - JAPAN CLIMATE SYSTEMS CORP
- [X] JP H11248294 A 19990914 - SHOWA ALUMINUM CORP
- [X] US 2892320 A 19590630 - QUICK LESTER K
- [X] JP 2000205706 A 20000728 - ZEXEL CORP
- [A] US 2116100 A 19380503 - JOHN CRACKNELL RICHARD

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2233866 A1 20100929; IT BO20090195 A1 20100928

DOCDB simple family (application)

EP 10157976 A 20100326; IT BO20090195 A 20090327