

Title (en)

REFRIGERATION SYSTEM WITH A PLATE-TYPE CONDENSER AND METHOD FOR COMPACTING IT

Title (de)

KÜHLSYSTEM MIT PLATTENKONDENSATOR UND VERFAHREN ZU DESSEN VERKLEINERUNG

Title (fr)

SYSTEME DE REFRIGERATION COMPRENANT UN CONSENSEUR A PLAQUES ET PROCEDE POUR LE RENDRE PLUS COMPACT

Publication

**EP 1459021 A1 20040922 (EN)**

Application

**EP 02784942 A 20021217**

Priority

- BR 0200187 W 20021217
- BR 0106589 A 20011227

Abstract (en)

[origin: WO03056261A1] A refrigeration system with a plate-type condenser and a method for compacting it, to be applied to a refrigeration appliance presenting a compressor mounted in a hermetic shell (10), an evaporator coil (60), and a plate-type condenser (20). The refrigerant fluid coming from the compressor is supplied to a condenser tube (30), which is formed on a lower plate section (20a) and on an upper plate section (20b) of the condenser (20) and extends from the bottom to the top and back to the bottom. After manufacture, the lower plate section (20a) and the upper plate section (20b) are placed one over the other, the evaporator coil (60) is positioned by a suction tube (70) connected to the compressor.

IPC 1-7

**F25D 19/00**

IPC 8 full level

**F25D 19/00** (2006.01)

CPC (source: EP US)

**F25D 19/00** (2013.01 - EP US); **F25D 2400/32** (2013.01 - EP US)

Citation (search report)

See references of WO 03056261A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03056261 A1 20030710**; AU 2002350298 A1 20030715; BR 0106589 A 20030909; BR 0106589 B1 20090505; EP 1459021 A1 20040922; MX PA04006321 A 20041004; US 2005092011 A1 20050505

DOCDB simple family (application)

**BR 0200187 W 20021217**; AU 2002350298 A 20021217; BR 0106589 A 20011227; EP 02784942 A 20021217; MX PA04006321 A 20021217; US 49975704 A 20040726