

Title (en)
REFRIGERATED CASE

Title (de)
KÜHLAUSLAGE

Title (fr)
CARROSSERIE RÉFRIGÉRÉE

Publication
EP 2200483 A2 20100630 (EN)

Application
EP 08839847 A 20081017

Priority
• US 2008080301 W 20081017
• CN 200710181322 A 20071017

Abstract (en)
[origin: WO2009052372A2] In a self-contained plug-in display cabinet system (100), the evaporation temperature of the evaporator (25) is between -4°C and 2°C, and with the adaption of constant pre-cooling means (22), the high-temperature and high-pressure refrigerant gas discharged by the compressor (21) is pre-cooled allowing use of a low system pressure ratio and, thus, a high temperature compressor (21). Furthermore, there may be no need for the evaporator to be defrosted, which overcomes the drawbacks of the currently available display cabinet systems that the refrigeration cycles have to be interrupted for defrosting the evaporator, thereby having further energy saving and being advantageous in keeping the temperature of the food stable.

IPC 8 full level
A47F 3/04 (2006.01); **F25B 40/04** (2006.01); **F25D 21/14** (2006.01); **F25D 17/06** (2006.01)

CPC (source: EP US)
A47F 3/0443 (2013.01 - EP US); **F25B 40/04** (2013.01 - EP US); **F25D 21/14** (2013.01 - EP US); **F25D 17/06** (2013.01 - EP US); **F25D 2321/1412** (2013.01 - EP US); **F25D 2400/38** (2013.01 - EP US)

Cited by
CN108430277A

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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US 2008080301 W 20081017; CN 200710181322 A 20071017; EP 08839847 A 20081017; US 73829908 A 20081017