

Title (en)
REFRIGERATION DISPLAY CABINET SYSTEM

Title (de)
KÜHLAUSLAGESCHRANKSYSTEM

Title (fr)
SYSTÈME D'ARMOIRE FRIGORIFIQUE VITRÉE

Publication
EP 3411652 A1 20181212 (EN)

Application
EP 17703015 A 20170123

Priority
• CN 201610075233 A 20160203
• US 2017014533 W 20170123

Abstract (en)
[origin: WO2017136172A1] A refrigeration display cabinet system including a cabinet body; a display region enclosed by the cabinet body and having a display port in communication with the external through an air curtain; and a refrigeration system including a compressor, a condenser, a throttling element, and an evaporator that sequentially communicate with each other through a pipeline; and a bypass heat exchanger, of which an inlet end and an outlet end are both connected to the evaporator; wherein the bypass heat exchanger is disposed to be in contact with the cabinet body, and exchanges heat with the display region. As a refrigerant of the bypass heat exchanger directly exchanges heat with the display region via a wall surface of the cabinet body, the heat exchange effect will be much better than that of indirectly transferring, through air, the refrigerating capacity carried by the refrigerant in the evaporator to the display region.

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: CN EP)
A47F 3/0439 (2013.01 - CN); **F25B 5/02** (2013.01 - EP); **F25B 39/028** (2013.01 - EP); **F28D 1/0477** (2013.01 - EP); **F28F 9/0275** (2013.01 - EP); **F25D 23/023** (2013.01 - EP)

Citation (search report)
See references of WO 2017136172A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017136172 A1 20170810; CN 107028432 A 20170811; CN 107028432 B 20210615; EP 3411652 A1 20181212; EP 3411652 B1 20220323

DOCDB simple family (application)
US 2017014533 W 20170123; CN 201610075233 A 20160203; EP 17703015 A 20170123