

Title (en)
CONDENSATE DRAIN HOSE ARRANGEMENT FOR AN EVAPORATOR UNIT

Title (de)
KONDENSATABLAUFSCHLAUCHANORDNUNG FÜR EINE VERDAMPFEREINHEIT

Title (fr)
DISPOSITIF A TUYAU DE VIDANGE DE CONDENSAT POUR MODULE D EVAPORATION

Publication
EP 1910755 A1 20080416 (EN)

Application
EP 05764543 A 20050729

Priority
BR 2005000148 W 20050729

Abstract (en)
[origin: WO2007012157A1] An evaporator unit having a blower and an evaporator coil is provided with a condensate drain pan which is so structured and located as to enable the collection of condensate forming on the evaporator coil when the unit is placed in either a vertical or horizontal orientation. A drainage element provides fluid communication from the drain pan to tubing for conducting the flow of condensate from the unit. The unit housing has openings in a bottom end wall and a back wall such that the tubing can be selectively passed through the appropriate opening to accommodate the respective horizontal or the vertical orientation. In installations where gravity is not sufficient to provide the necessary drainage, a pump is provided within the tubing arrangement. A sump and an associated sensor is provided to activate and deactivate the pump on a selective basis.

IPC 8 full level
F24F 13/22 (2006.01); **F24F 1/00** (2011.01); **F25D 21/00** (2006.01); **F25D 21/14** (2006.01)

CPC (source: EP KR)
F24F 1/00 (2013.01 - KR); **F24F 1/0047** (2019.01 - EP); **F24F 1/005** (2019.01 - EP); **F24F 1/0057** (2019.01 - EP); **F24F 13/22** (2013.01 - KR); **F24F 13/222** (2013.01 - EP); **F25D 21/00** (2013.01 - KR); **F25D 21/14** (2013.01 - KR); **F24F 2140/30** (2017.12 - EP)

Cited by
US11674741B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007012157 A1 20070201; BR PI0520442 A2 20090613; CN 101268315 A 20080917; EP 1910755 A1 20080416; EP 1910755 A4 20111026; KR 100947165 B1 20100312; KR 20080017478 A 20080226

DOCDB simple family (application)
BR 2005000148 W 20050729; BR PI0520442 A 20050729; CN 200580051207 A 20050729; EP 05764543 A 20050729; KR 20087001130 A 20050729