

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 A4 20111026 (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  
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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)

Citation (search report)

- [XY] JP S6213937 A 19870122 - MATSUSHITA ELECTRIC IND CO LTD
- [XY] JP H10185231 A 19980714 - FUJITSU GENERAL LTD
- [XY] JP H02140524 A 19900530 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] EP 1006319 A1 20000607 - SOC D APPLIC AERAIQUES ET TH [FR]
- [Y] US 2005138939 A1 20050630 - SPANGER GERALD S [US]
- [Y] GB 2255163 A 19921028 - TOSHIBA KK [JP]
- [Y] EP 0699877 A2 19960306 - ANDO IWAO [JP]
- See references of WO 2007012157A1

Cited by  
US11674741B2

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