

Title (en)
EVAPORATOR COIL SUPPORT STRUCTURE

Title (de)
VERDAMPFERSPIRALSTÜTZSTRUKTUR

Title (fr)
STRUCTURE PORTEUSE POUR SERPENTIN D'EVAPORATION

Publication
EP 1910762 A4 20111207 (EN)

Application
EP 05764583 A 20050729

Priority
BR 2005000149 W 20050729

Abstract (en)
[origin: WO2007012158A1] An evaporator unit having a blower compartment in its lower portion and an evaporator compartment in its upper portion includes a pair of internal side members with each having structure for receiving and retaining one end of an evaporator coil. Each internal side member includes a planar ramp for engagingly receiving a planar surface of a flange extending outwardly from the tube sheet of the evaporator coil. Each ramp has an associated horizontal surface in its lower end for receiving an edge of the flange, and each ramp contains structure at its upper end for engaging an upper edge of the coil. A pair of fasteners, with one in each of the internal side members, secures the coil within the side members. The internal side members, the coil, and a back panel to which the internal side members are attached, form a rigid backbone structure of the evaporator unit.

IPC 8 full level
F25D 23/12 (2006.01); **B60H 1/00** (2006.01); **B60S 1/54** (2006.01); **F24F 1/0057** (2019.01); **F24F 13/30** (2006.01); **F25D 5/00** (2006.01); **F25D 17/06** (2006.01); **F25D 19/00** (2006.01)

CPC (source: EP KR US)
B60H 1/00521 (2013.01 - EP); **B60S 1/24** (2013.01 - KR); **F24F 1/00** (2013.01 - KR); **F24F 1/005** (2019.01 - EP); **F24F 1/0057** (2019.01 - EP US); **F24F 13/30** (2013.01 - EP); **F25D 17/06** (2013.01 - KR); **F25D 19/00** (2013.01 - KR)

Citation (search report)

- [X] WO 9967575 A1 19991229 - SPRINGER CARRIER SA [BR], et al
- [X] WO 9967583 A1 19991229 - SPRINGER CARRIER SA [BR], et al
- See references of WO 2007012158A1

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 2007012158 A1 20070201; BR PI0520443 A2 20090613; CN 101268318 A 20080917; CN 101268318 B 20110608; EP 1910762 A1 20080416; EP 1910762 A4 20111207; HK 1124653 A1 20090717; KR 100945627 B1 20100304; KR 20080015943 A 20080220

DOCDB simple family (application)
BR 2005000149 W 20050729; BR PI0520443 A 20050729; CN 200580051208 A 20050729; EP 05764583 A 20050729; HK 09102144 A 20090305; KR 20087001131 A 20050729