

Title (en)  
CONDENSER HEATSINK

Title (de)  
KONDENSATORWÄRMESENKE

Title (fr)  
PUITS DE CHALEUR CONDENSATEUR

Publication  
**EP 2167888 A1 20100331 (EN)**

Application  
**EP 08750669 A 20080522**

Priority  

- GB 2008001746 W 20080522
- GB 0709739 A 20070522
- GB 0709748 A 20070522
- GB 0805661 A 20080328

Abstract (en)  
[origin: GB2449522A] A temperature controlled equipment cabinet comprises a diffusion-absorption refrigeration system 5. An evaporator pipe 4 of the refrigeration system extends through a wall 9 of the cabinet and passes through a sealed enclosure 3 which contains a heat transfer liquid 12. The sealed enclosure extends across and forms part of an internal surface 15 of the cabinet such that the refrigeration system in use extracts heat from within the cabinet to an external environment 7. The sealed enclosure is preferably configured to provide a thermosyphon convective flow effect to improve the distribution of cooling throughout the enclosure and to aid heat transfer from within the cabinet. The enclosure may have one or more filling points for introducing the heat transfer liquid. Preferably, the wall of the cabinet comprises a layer of thermal insulation 10 through which the evaporator pipe extends. The evaporator pipe may also pass through a recess 14 provided in the wall. The enclosure may be attached to the insulation by way of welding, gluing or other mechanical fixings 2a, 2b. Preferably, the enclosure is planar in construction across the internal surface of the wall. The refrigeration system may be used to cool temperature-sensitive electrical and electronic equipment, such as standby and backup batteries, housed within the temperature controlled cabinet.

IPC 8 full level  
**F25B 39/04** (2006.01); **F28D 1/02** (2006.01)

CPC (source: EP GB US)  
**F25B 15/10** (2013.01 - EP US); **F25B 17/00** (2013.01 - GB); **F25B 39/026** (2013.01 - GB); **F25B 39/04** (2013.01 - EP GB US); **F25D 11/025** (2013.01 - EP US)

Designated contracting state (EPC)  
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)  
**GB 0805660 D0 20080430**; **GB 2449522 A 20081126**; BR PI0811899 A2 20141118; EP 2167888 A1 20100331; GB 0805661 D0 20080430; GB 2449523 A 20081126; RU 2009147441 A 20110627; RU 2431088 C2 20111010; US 2010154466 A1 20100624; US 2010242530 A1 20100930; WO 2008142412 A1 20081127; WO 2008142414 A1 20081127

DOCDB simple family (application)  
**GB 0805660 A 20080328**; BR PI0811899 A 20080522; EP 08750669 A 20080522; GB 0805661 A 20080328; GB 2008001742 W 20080522; GB 2008001746 W 20080522; RU 2009147441 A 20080522; US 60112208 A 20080522; US 60114008 A 20080522