

Title (en)  
REFRIGERATION PLANT AND METHODS OF CONTROL THEREFOR

Title (de)  
KÜHLANLAGE UND STEUERVERFAHREN DAFÜR

Title (fr)  
INSTALLATION RÉFRIGÉRANTE ET PROCÉDÉS DE RÉGULATION

Publication  
**EP 2491321 A2 20120829 (EN)**

Application  
**EP 10773962 A 20101022**

Priority  
• GB 0918635 A 20091023  
• GB 2010051782 W 20101022

Abstract (en)  
[origin: GB2474696A] A refrigeration plant has a refrigerator circuit comprising a compressor 10, a condensing coil 14, an expansion valve 20 and an evaporator 18. Heat is absorbed in the evaporator and exhausted at the condenser. Pressure is measured at the compressor inlet and a blower arrangement for blowing cool air over a heat transfer surface of the condenser is controlled in dependence upon the pressure measurement by a controller 16. The controller may be coupled to a transducer 16a to provide a variable output indicative of pressure in the low pressure circuit. A further sensor 16b may also be included to control the blower based on a difference between a determined discharge pressure and a measured discharge pressure, the determined discharge pressure being determined by the fluid pressure at the compressor inlet.

IPC 8 full level  
**F25B 49/02** (2006.01)

CPC (source: EP GB)  
**F25B 49/02** (2013.01 - GB); **F25B 49/027** (2013.01 - EP GB); **F25B 2600/111** (2013.01 - EP); **F25B 2700/1931** (2013.01 - EP); **F25B 2700/1933** (2013.01 - EP); **Y02B 30/70** (2013.01 - EP)

Citation (search report)  
See references of WO 2011048428A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**GB 0918635 D0 20091209**; **GB 2474696 A 20110427**; **GB 2474696 B 20130313**; EP 2491321 A2 20120829; JP 2013508662 A 20130307; WO 2011048428 A2 20110428; WO 2011048428 A3 20111124

DOCDB simple family (application)  
**GB 0918635 A 20091023**; EP 10773962 A 20101022; GB 2010051782 W 20101022; JP 2012534779 A 20101022