

Title (en)
REMOTE DIAGNOSTICS AND PROGNOSTICS FOR REFRIGERANT SYSTEMS

Title (de)
FERNDIAGNOSE UND -PROGNOSE FÜR KÄLTEMITTELSYSTEME

Title (fr)
DIAGNOSTICS ET PRONOSTICS DISTANTS POUR DES SYSTEMES REFRIGERANTS

Publication
EP 1946021 A1 20080723 (EN)

Application
EP 05808845 A 20051018

Priority
US 2005037336 W 20051018

Abstract (en)
[origin: WO2007046791A1] There is provided a refrigerant system (100) including a plurality of components (120, 125, 140, 145) for regulating operational parameters of the refrigerant system (100), at least one transducer (135) connected to the refrigerant system (100) for monitoring the operational parameters of the refrigerant system (100), and a controller (150). The controller (150) is remotely connected to the at least one transducer (135) and to at least one component (120, 125, 140, 145) of the plurality of components (120, 125, 140, 145) for at least periodically receiving parameter information from the at least one transducer (135) to monitor the operational parameters and determine, based on variations in at least one parameter of the operational parameters, whether a condition exists in the refrigerant system (100) that requires corrective action. The corrective action may include moving the refrigerant system (100) to a lighter mode of operation by unloading or even shutting down some of the refrigerant system components (120, 125, 140, 145). There is also provided a method for monitoring the refrigerant system (100).

IPC 8 full level
F25B 49/00 (2006.01)

CPC (source: EP US)
F25B 49/005 (2013.01 - EP US); **F25B 2600/111** (2013.01 - EP US); **F25B 2600/112** (2013.01 - EP US); **F25B 2600/2513** (2013.01 - EP US); **F25B 2700/1931** (2013.01 - EP US); **F25B 2700/1933** (2013.01 - EP US); **F25B 2700/21151** (2013.01 - EP US); **F25B 2700/21152** (2013.01 - EP US); **Y02B 30/70** (2013.01 - EP US)

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 2007046791 A1 20070426; CN 101326415 A 20081217; CN 101326415 B 20100616; EP 1946021 A1 20080723; EP 1946021 A4 20120711; HK 1127516 A1 20090925; US 2009120111 A1 20090514

DOCDB simple family (application)
US 2005037336 W 20051018; CN 200580052294 A 20051018; EP 05808845 A 20051018; HK 09105222 A 20090610; US 8379008 A 20080418