

Title (en)
A METHOD FOR PROVIDING A DIAGNOSTIC ASSESSMENT OF A CHILLER

Title (de)
VERFAHREN ZUR BEREITSTELLUNG EINER DIAGNOSTISCHEN BEURTEILUNG EINES KÜHLERS

Title (fr)
PROCÉDÉ PERMETTANT DE FOURNIR UNE ÉVALUATION DE DIAGNOSTIC D'UN REFROIDISSEUR

Publication
EP 3839363 A1 20210623 (EN)

Application
EP 20214011 A 20201215

Priority
IT 201900024138 A 20191216

Abstract (en)
A method for providing a diagnostic assessment of a chiller (1), the chiller (1) being provided with a plurality of components including a condenser (3), an evaporator (4), an expansion valve (5) and a refrigerant fluid, comprises the following steps: providing a diagnostic parameter (9), representative of a performance of the chiller (1) or of one of its components; providing a first input parameter (7) and a second input parameter (8), the first and the second input parameter (7, 8) being representative of a working condition of the chiller (1) or of one of its components; memorizing a plurality of values for the diagnostic parameter (9), each value being measured at a respective couple of values of the first and second input parameter (7, 8), whereby providing a mapping (10) of the diagnostic parameter (9) in an input space defined by the first and second input parameters (7, 8), so that each couple of values of the first and second input parameter (7, 8) defines a corresponding point in the input space (10).

IPC 8 full level
F24F 11/30 (2018.01); **F24F 11/38** (2018.01); **F24F 11/49** (2018.01); **F24F 11/64** (2018.01); **F24F 110/12** (2018.01); **F24F 140/50** (2018.01)

CPC (source: EP)
F24F 11/30 (2018.01); **F24F 11/38** (2018.01); **F24F 11/49** (2018.01); **F24F 11/64** (2018.01); **F24F 2110/12** (2018.01); **F24F 2140/50** (2018.01)

Citation (applicant)
• EP 2333438 A1 20110615 - DAIKIN IND LTD [JP]
• EP 2306101 A1 20110406 - DAIKIN IND LTD [JP]
• EP 2420759 A2 20120222 - MITSUBISHI HEAVY IND LTD [JP]
• US 2011283718 A1 20111124 - UEDA KENJI [JP]
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• JP 2005114295 A 20050428 - TAKASAGO THERMAL ENGINEERING, et al
• US 2018010835 A1 20180111 - KHALILI KAVEH [US], et al
• EP 2908066 A2 20150819 - MITSUBISHI HEAVY IND LTD [JP]

Citation (search report)
• [XII] EP 2420759 A2 20120222 - MITSUBISHI HEAVY IND LTD [JP]
• [XII] US 2011283718 A1 20111124 - UEDA KENJI [JP]
• [XA] EP 2660537 A1 20131106 - MITSUBISHI HEAVY IND LTD [JP]
• [X] JP 2005114295 A 20050428 - TAKASAGO THERMAL ENGINEERING, et al
• [X] US 2018010835 A1 20180111 - KHALILI KAVEH [US], et al
• [A] EP 2908066 A2 20150819 - MITSUBISHI HEAVY IND LTD [JP]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3839363 A1 20210623; IT 201900024138 A1 20210616

DOCDB simple family (application)
EP 20214011 A 20201215; IT 201900024138 A 20191216