

Title (en)
LUBRICANT MONITORING SYSTEM FOR A CIRCUIT COMPRESSOR

Title (de)
SCHMIERMITTELÜBERWACHUNGSSYSTEM FÜR EINEN KREISLAUFVERDICHTER

Title (fr)
SYSTÈME DE SURVEILLANCE DE LUBRIFIANT POUR COMPRESSEUR DE CIRCUIT

Publication
EP 3483529 A1 20190515 (EN)

Application
EP 18205135 A 20181108

Priority
IT 201700128009 A 20171109

Abstract (en)
A monitoring system of lubricant of a compressor (3) of a refrigerant circuit (2) for a compressible fluid where the compressor is equipped with an intake (5) and a delivery (9), comprises an on-off state detector (11) of compressor (3) and a pressure sensor (13) connected to a monitoring device (15) to provide data to the latter respectively on operating or switch-off status of compressor (3) and on the pressure of compressible fluid at compressor delivery (9). When the monitoring device (15) detects that the compressor status switches from on to off, said monitoring device (15) compares the progression of compressible fluid pressure at delivery (9), starting from the switching instant in the shutdown state, with a predetermined progress memorized therein. In case of a discrepancy between the two progressions exceeding a predetermined threshold, the monitoring device (15) emits at least one alarm signal.

IPC 8 full level
F25B 49/00 (2006.01); **F25B 9/00** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP)
F25B 9/008 (2013.01); **F25B 31/004** (2013.01); **F25B 49/005** (2013.01); **F25B 2500/06** (2013.01); **F25B 2500/16** (2013.01); **F25B 2600/23** (2013.01); **F25B 2700/151** (2013.01); **F25B 2700/171** (2013.01); **F25B 2700/1931** (2013.01)

Citation (applicant)
• US 5209076 A 19930511 - KAUFFMAN GARY O [US], et al
• WO 9639601 A1 19961212 - ALTECH CONTROLS CORP [US]
• EP 2690379 A1 20140129 - ELECTROLUX HOME PROD CORP [BE]

Citation (search report)
• [XAI] US 5209076 A 19930511 - KAUFFMAN GARY O [US], et al
• [A] WO 9639601 A1 19961212 - ALTECH CONTROLS CORP [US]
• [A] EP 2690379 A1 20140129 - ELECTROLUX HOME PROD CORP [BE]

Cited by
CN111141074A; CN111141075A

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 3483529 A1 20190515; **EP 3483529 B1 20200930**; DK 3483529 T3 20201207; ES 2834887 T3 20210621; HR P20201925 T1 20210205; PL 3483529 T3 20210308; PT 3483529 T 20201113; SI 3483529 T1 20210129

DOCDB simple family (application)
EP 18205135 A 20181108; DK 18205135 T 20181108; ES 18205135 T 20181108; HR P20201925 T 20201203; PL 18205135 T 20181108; PT 18205135 T 20181108; SI 201830147 T 20181108