

Title (en)

INSTALLATION FOR DIAGNOSIS OF AN ELECTRIC MACHINE

Title (de)

INSTALLATION ZUR DIAGNOSE EINER ELEKTRISCHEN MASCHINE

Title (fr)

INSTALLATION DE DIAGNOSTIC D'UNE MACHINE ÉLECTRIQUE

Publication

**EP 3552033 A1 20191016 (FR)**

Application

**EP 17821683 A 20171205**

Priority

- FR 1662025 A 20161206
- FR 2017053395 W 20171205

Abstract (en)

[origin: WO2018104651A1] The invention relates to a method of electrical fault diagnosis on an electric machine such as an asynchronous motor, method characterized in that it comprises the following steps, consisting in: • determining a spectrum of frequencies of an acoustic signal emitted by an electric machine while operating (34), • searching for possible predefined frequencies characteristic of an electrical fault (36) • signalling an electrical fault (step 40) if at least one predefined frequency characteristic of an electrical fault is detected. If relevant, a state of advancement of the electrical fault can also be specified. The invention also relates to a computer program product adapted for the implementation of a method such as described hereinabove. The invention relates finally to a diagnostic installation comprising computing means adapted to implement a method such as described hereinabove. Application to the preventive maintenance of electric machines.

IPC 8 full level

**G01R 31/12** (2006.01); **G01R 31/34** (2006.01)

CPC (source: EP)

**G01R 31/1209** (2013.01); **G01R 31/343** (2013.01)

Citation (search report)

See references of WO 2018104651A1

Cited by

FR3119019A1; WO2022153013A1

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)

**FR 3059784 A1 20180608**; EP 3552033 A1 20191016; WO 2018104651 A1 20180614

DOCDB simple family (application)

**FR 1662025 A 20161206**; EP 17821683 A 20171205; FR 2017053395 W 20171205