

Title (en)

METHOD AND DEVICE FOR DETECTING THE DEGREE OF POLLUTION IN AN OPERATIONAL CONVERTER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERFASSUNG EINES VERSCHMUTZUNGSGRADES EINES BETRIEBENEN UMRICHTERGERÄTES

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER L'ETAT DE SALETE D'UN CHANGEUR DE FREQUENCES EN MARCHE

Publication

EP 1735801 A1 20061227 (DE)

Application

EP 05733607 A 20050407

Priority

- EP 2005051544 W 20050407
- DE 102004018578 A 20040416

Abstract (en)

[origin: WO2005101431A1] The invention relates to a method and a device for detecting the degree of pollution in an operational converter. According to the invention, the operating condition of at least one of the converter components that is exposed to the ambient air is determined and a corresponding operating condition of said component in an unpolluted state is determined. The two operating conditions are then compared and the calculated comparison value is used as a measurement for the degree of pollution of the converter. The inventive method for detecting the degree of pollution of an operational converter permits a reduction of the number of breakdowns as a result of a non-protected operating mode of a converter and of the associated disadvantages such as costs and damage to a company's image.

IPC 8 full level

H01F 27/42 (2006.01); **H02H 5/04** (2006.01); **H02H 6/00** (2006.01); **H02M 1/08** (2006.01)

CPC (source: EP US)

H02H 5/042 (2013.01 - EP US); **H02H 6/005** (2013.01 - EP US)

Citation (search report)

See references of WO 2005101431A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005101431 A1 20051027; CN 1942982 A 20070404; CN 1942982 B 20120111; DE 102004018578 A1 20051103; DE 102004018578 B4 20070222; EP 1735801 A1 20061227; US 2008272924 A1 20081106; US 7652585 B2 20100126

DOCDB simple family (application)

EP 2005051544 W 20050407; CN 200580011434 A 20050407; DE 102004018578 A 20040416; EP 05733607 A 20050407; US 59996805 A 20050407