

Title (en)

Method and device for detecting unbalance in a rotor driven by a brushless electric motor

Title (de)

Verfahren und Vorrichtung zur Detektion von Unwuchten bei einem durch einen bürstenlosen Elektromotor angetriebenen Rotor

Title (fr)

Procédé et dispositif pour détecter le balourd d'un rotor entraîné par un moteur électrique sans balais

Publication

EP 1048774 B1 20040317 (DE)

Application

EP 00108260 A 20000414

Priority

DE 19918331 A 19990422

Abstract (en)

[origin: EP1048774A2] A measuring device registers the rotation speed (n) and the imbalance of the rotor. When a minimum speed of the rotor is exceeded, an electrical parameter of the motor is adjusted. The electrical parameter is preferably the voltage (U) and is altered from its extent set for operation to an extent provided for a measurement in such a way that the slope of the characteristic curve of speed-torsion increases accordingly.

IPC 1-7

D06F 37/20

IPC 8 full level

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CPC (source: EP US)

D06F 33/48 (2020.02 - EP US); **D06F 34/08** (2020.02 - EP US); **D06F 34/16** (2020.02 - EP US); **D06F 2103/26** (2020.02 - EP US); **D06F 2103/46** (2020.02 - EP US)

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 1048774 A2 20001102; **EP 1048774 A3 20010207**; **EP 1048774 B1 20040317**; AT E262064 T1 20040415; DE 19918331 A1 20001026; DE 50005643 D1 20040422; ES 2218022 T3 20041116

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