

Title (en)
DEVICE FOR A CONTACTLESS OUT-OF-BALANCE MEASUREMENT

Publication
EP 0082956 B1 19860212 (DE)

Application
EP 82110802 A 19821123

Priority
CH 828481 A 19811224

Abstract (en)
[origin: ES8400822A1] In accordance with the invention, a magnetic field sensor is disposed on a stationary part of a centrifuge near an annular member of a rotor and is adapted to detect those variations in a gap which exists between the annular member and the sensor. The variations in the gap arising from deflection and/or precession of the rotor axis.

IPC 1-7
B04B 9/14

IPC 8 full level
G01M 1/22 (2006.01); **B04B 9/14** (2006.01); **G01B 7/00** (2006.01); **G01B 7/14** (2006.01); **G01H 11/00** (2006.01); **G01H 11/02** (2006.01); **G01M 1/16** (2006.01)

CPC (source: EP US)
B04B 9/146 (2013.01 - EP US)

Cited by
US5738622A; DE3929792A1; DE4335119A1; EP0648541A3; US5496254A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0082956 A1 19830706; EP 0082956 B1 19860212; AT E17928 T1 19860215; AU 542725 B2 19850307; AU 9166182 A 19830804; CA 1194709 A 19851008; DE 3269101 D1 19860327; DK 571382 A 19830625; ES 517774 A0 19831116; ES 8400822 A1 19831116; JP S58118938 A 19830715; JP S6244232 U 19870317; JP S6324424 Y2 19880705; NO 156844 B 19870824; NO 156844 C 19871202; NO 824361 L 19830627; US 4491019 A 19850101

DOCDB simple family (application)
EP 82110802 A 19821123; AT 82110802 T 19821123; AU 9166182 A 19821220; CA 416206 A 19821124; DE 3269101 T 19821123; DK 571382 A 19821223; ES 517774 A 19821129; JP 12043486 U 19860807; JP 23516682 A 19821223; NO 824361 A 19821223; US 45021782 A 19821216