Title (en)

SENSOR ARRANGEMENT FOR DETECTING CHANGES IN ANGLE

Title (de)

SENSORANORDNUNG ZUR ERFASSUNG VON WINKELÄNDERUNGEN

Title (fr)

DISPOSITIF DETECTEUR POUR LA DETECTION DE VARIATIONS ANGULAIRES

Publication

EP 0975943 A1 20000202 (DE)

Application

EP 98966186 A 19981202

Priority

- DE 9803539 W 19981202
- DE 19757008 A 19971220

Abstract (en)

[origin: DE19757008A1] The sensor has a magnet (3) attached to a monitored component and a co-operating magnetoresistive sensor attached to a relatively moving component and facing one of the magnet poles and aligned with the magnet field lines, which provides an electrical signal dependent on the direction (4) of the magnetic field lines. A zero adjustment function may be provided by using two sensors with their outputs set to the same value when no angular variation is present.

IPC 1-7

G01M 3/10; G01B 7/24

IPC 8 full level

G01B 7/00 (2006.01); **G01B 7/24** (2006.01); **G01B 7/30** (2006.01); **G01L 3/10** (2006.01)

CPC (source: EP US)

G01B 7/24 (2013.01 - EP US); **G01L 3/104** (2013.01 - EP US)

Citation (search report)

See references of WO 9932867A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19757008 A1 19990624; CZ 291699 A3 19991117; EP 0975943 A1 20000202; JP 2001513901 A 20010904; TW 406187 B 20000921; US 6205866 B1 20010327; WO 9932867 A1 19990701

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DE 19757008 A 19971220; CZ 291699 A 19981202; DE 9803539 W 19981202; EP 98966186 A 19981202; JP 53314199 A 19981202; TW 87120244 A 19981207; US 35504299 A 19990722