

Title (en)

BALL BEARING WITH INTEGRATED SENSOR

Title (de)

KUGELLAGER MIT INTEGRIERTEM SENSOR

Title (fr)

ROULEMENT A BILLES COMPORTANT UN CAPTEUR INTEGRE

Publication

**EP 1027610 A1 20000816 (DE)**

Application

**EP 98961061 A 19981031**

Priority

- DE 9803189 W 19981031
- DE 19748996 A 19971106

Abstract (en)

[origin: WO9924837A1] A ball bearing with an integrated sensor for detecting the relative displacement of the two bearing rings of the ball bearing (1) with respect to one another has a polar wheel (5) designed at least partially with sections and at least one sensor for scanning the polar wheel (5). In order to simplify the manufacture and at the same time increase measurement accuracy, the polar wheel (5) is made of a magnetisable material and magnetic marks, i.e. N/S marks which can be scanned by the sensor (6, 8 or 9), are provided on the polar wheel (5).

IPC 1-7

**G01P 3/44**

IPC 8 full level

**F16C 41/00** (2006.01); **G01P 3/44** (2006.01); **G01P 3/487** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 9924837A1

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