

Title (en)

SEALING DEVICE WITH BUILT-IN MAGNETIC ENCODER INCLUDING AT LEAST ONE FRICTIONAL RADIAL CONTACT LIP

Title (de)

VERSIEGELUNGSVORRICHTUNG MIT EINGEBAUTEM MAGNETISCHEM KODIERER MIT MINDESTENS EINER UMLAUFENDEN REIBUNGSKONTAKTLIPPE

Title (fr)

DISPOSITIF D'ETANCHEITE A CODEUR MAGNETIQUE INTEGRE COMPRENANT AU MOINS UNE LEVRE EN CONTACT RADIAL FROTTANT

Publication

EP 2222987 A2 20100901 (FR)

Application

EP 08872531 A 20081208

Priority

- FR 2008001707 W 20081208
- FR 0709087 A 20071221

Abstract (en)

[origin: FR2925643A1] The device has inner and outer cores (5, 6) connected respectively with fixed and rotating bodies (2, 3) of a main bearing. An annular space (7), in which a magnetic encoder (1) is linked with the core (5), is formed between the cores. The core (6) is realized in non-magnetic material so as to permit reading signals issued by the encoder. A sealing element (8) is connected with the core (5) to seal a side of the space. The sealing element comprises sealing rings (9a, 9b), which are arranged in friction radial contact with a free axial face (6a) of the core (6). An independent claim is also included for an antifriction bearing assembly comprising a sensor system with a magnetic encoder.

IPC 8 full level

F16J 15/32 (2006.01)

CPC (source: EP)

F16C 33/7879 (2013.01); **F16C 41/007** (2013.01); **F16J 15/326** (2013.01); **G01P 3/443** (2013.01)

Citation (search report)

See references of WO 2009103870A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2925643 A1 20090626; **FR 2925643 B1 20100115**; EP 2222987 A2 20100901; WO 2009103870 A2 20090827; WO 2009103870 A3 20091015

DOCDB simple family (application)

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