

Title (en)

MEASURING ARRANGEMENT AND METHOD FOR DETECTING A ROTATIONAL MOVEMENT AS WELL AS LABYRINTH SEAL

Title (de)

MESSANORDNUNG UND -VERFAHREN ZUR ERFASSUNG EINER DREHBEWEGUNG SOWIE LABYRINTHDICHTUNG

Title (fr)

ENSEMBLE DE MESURE ET PROCÉDÉ POUR LA DÉTECTION D'UNE ROTATION AINSI QUE GARNITURE EN LABYRINTHE

Publication

EP 2494314 A2 20120905 (DE)

Application

EP 10771110 A 20101028

Priority

- DE 102009051353 A 20091030
- EP 2010066301 W 20101028

Abstract (en)

[origin: WO2011051363A2] The invention relates to a measuring arrangement for detecting a rotational movement between a first machine part (2) and a second machine part (3). The claimed measuring arrangement comprises a transducer wheel (10) which is rotationally secured to the first machine part (2), an absolute transducer (11) which is rotationally secured to the first machine part (2), an incremental sensor (27) which is rotationally secured to the second machine part (3) and an absolute sensor (28) which is rotationally secured to the second machine part (3). Said transducer wheel (10) comprises, in the direction of the periphery, an alternating sequence of cut-outs (16) and segments (17). Said absolute transducer (11) is secured to the transducer wheel (10) and marks a peripheral position of the transducer wheel (10). Said incremental sensor (27) scans the transducer wheel (10) and generates an incremental signal. The absolute sensor (28) scans the absolute transducer (11) and generates an absolute signal.

IPC 8 full level

G01D 5/245 (2006.01)

CPC (source: EP)

F16C 33/80 (2013.01); **F16C 41/007** (2013.01); **G01D 5/2455** (2013.01); **F16C 19/38** (2013.01); **F16C 23/086** (2013.01); **F16C 2300/14** (2013.01); **F16C 2360/31** (2013.01); **H03M 1/308** (2013.01)

Citation (search report)

See references of WO 2011051363A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2011051363 A2 20110505; WO 2011051363 A3 20120119; DE 102009051353 A1 20110512; EP 2494314 A2 20120905

DOCDB simple family (application)

EP 2010066301 W 20101028; DE 102009051353 A 20091030; EP 10771110 A 20101028