

Title (en)

A method of and an apparatus for calibrating a rotary position transducer

Title (de)

Verfahren und Vorrichtung zum Kalibrieren eines Drehgebers

Title (fr)

Méthode et appareil d'étalonnage d'un capteur de position rotatif

Publication

EP 0750105 B1 20000419 (EN)

Application

EP 96303794 A 19960528

Priority

GB 9512652 A 19950621

Abstract (en)

[origin: EP0750105A1] A rotary position transducer comprises a rotary element such as a wheel (1) having a plurality of markers such as teeth (3, 4, 5, 6). A sensor (2), for instance of the variable reluctance type, produces a position signal when each marker (3, 4, 5, 6) passes. In order to calibrate the transducer, the rotary element (1) is rotated with substantially constant deceleration. First time periods between consecutive position signals are measured for a first revolution of the rotary element (1). Second time periods between consecutive position signals are measured for a second revolution subsequent to the first. Corrected angular spacings are then determined from the first and second time periods. <IMAGE>

IPC 1-7

F02D 41/34

IPC 8 full level

F02D 41/34 (2006.01)

CPC (source: EP)

F02D 41/009 (2013.01)

Cited by

FR2773848A1; WO9907987A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0750105 A1 19961227; EP 0750105 B1 20000419; DE 69607788 D1 20000525; DE 69607788 T2 20001116; GB 9512652 D0 19950823

DOCDB simple family (application)

EP 96303794 A 19960528; DE 69607788 T 19960528; GB 9512652 A 19950621