

Title (en)
DEVICE FOR DETECTING THE ANGULAR POSITION OF A ROTATING COMPONENT

Title (de)
EINRICHTUNG ZUR WINKELAGEERKENNUNG EINES ROTIERENDEN TEILS

Title (fr)
AGENCEMENT DE DETECTION DE LA POSITION ANGULAIRE D'UNE PIECE ROTATIVE

Publication
EP 0607177 B1 19960619 (DE)

Application
EP 92919479 A 19920919

Priority
• DE 4133570 A 19911010
• DE 9200805 W 19920919

Abstract (en)
[origin: DE4133570C1] The description relates to a device for detecting the angular position of a rotating component in which the rotating component is fitted with a pickup disc (14) with a plurality of regular angle marks (11) and a distinguishable reference mark (12) is formed, for example, by two missing angle marks (11). The number of angle marks is (n-2) where n is a number divisible by as many numbers as possible corresponding to different numbers of cylinders, and is, for example, 36. The voltage sequence generated in the sensor (15) is evaluated in the control device (19). Once the reference mark (12) has been recognised by comparison with a camshaft signal, the cylinder concerned is unmistakable. Evaluation of the voltage sequence also provides the rotation speed, and predeterminable edges of the pulse sequence are used to control the ignition and/or injection system.

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G01D 5/249; **G01D 5/245**; **G01P 3/48**

IPC 8 full level
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