Title (en)
ROTARY POTENTIOMETER SENSOR FOR DETERMINING THE POSITION OR THE ANGULAR DISPLACEMENT OF A ROTATING SHAFT

Publication
EP 0243254 B1 19891025 (FR)

Application
EP 87400885 A 19870417

Priority
FR 8606049 A 19860425

Abstract (en)

[origin: US4743882A] A rotary potentiometer sensor is provided for detecting the angular position or movement of a rotary shaft, which includes, a joint of the Oldham type with, on the one hand, three rotary parts, namely a first part carried and driven in rotation by the shaft, a second part adapted for rotating inside the sensor of which it forms the rotary part and a third part, called intermediate part, disposed between the first and second parts and, on the other hand, means provided on these three parts for providing the homocinetic rotational drive of the intermediate part by the first part and of the second part by the intermediate part, while allowing free angular movement; and a case of a general cylindrical shape containing said rotating shaft and the three rotating parts of said joint, this case having two lateral faces one of which is completely closed by a cover integral with the case and the other of which has passing therethrough a circular tube integral with the case and whose internal bore receives the first part which covers the free end of said shaft and whose peripheral surface is surrounded by the second part and the intermediate part.

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Cited by
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