

Title (en)

DEVICE FOR MEASURING CHANGES IN THE POSITION OF THE EDGE OF A BODY

Title (de)

VORRICHTUNG ZUM MESSEN VON ÄNDERUNGEN DER LAGE EINER KÖRPERKANTE

Title (fr)

DISPOSITIF POUR MESURER DES MODIFICATIONS DE LA POSITION DE L'ARETE D'UN CORPS

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Application

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Abstract (en)

[origin: WO2005090904A1] The invention relates to a measuring device (7) for measuring changes in the position of the edge (5a) of a body of a component (1, 3). Said measuring device contains a sensor (9) which reacts to the changes, a light source (8), a measuring edge (5) fixed in relation to the edge (5a) of the body, and a light (6) emitted from the light source (8). From the change in position, information about the deformation caused by a force F (for example, in the case of bearings) can be obtained, a weight or an imbalance can be determined, and joints and press fits can be monitored. The measurement is carried out by reflection or transmission, preferably using optical waveguides.

IPC 8 full level

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