

Title (en)

RECONSTRUCTION OF AN ANGLE SIGNAL FROM THE SIGNAL OF A SENSOR FOR ANGLES OF ROTATION

Title (de)

REKONSTRUKTION EINES WINKEL SIGNALS AUS DEM SENSORSIGNAL EINES DREHWINKELSENSORS

Title (fr)

RESTITUTION D'UN SIGNAL ANGULAIRE A PARTIR D'UN SIGNAL DE DETECTION D'UN CAPTEUR D'ANGLE DE ROTATION

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Application

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Abstract (en)

[origin: WO2004051193A1] The invention relates to a method for reconstructing an angle signal (9) from a signal (7) of a sensor for angles of rotation. Said sensor comprises a periodic characteristic which encompasses several segments (S) and in which points of discontinuity (8) occur. In order to reconstruct the angle signal (9), positive and negative jumps (a-d) of the sensor signal (7) are determined and a segment number (SN) is generated if a positive or negative signal jump (a-d) is detected. An evaluation unit (4) is able to reconstruct the angle signal (9) based on the segment number (SN) and the sensor signal (7).

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