

Title (en)

SENSOR ARRANGEMENT FOR A MEASUREMENT OF THE TRAVEL OF A MOVING COMPONENT OF A MECHANICAL DEVICE

Title (de)

SENSORANORDNUNG FÜR EINE MESSUNG DER AUSLENKUNG EINES BEWEGTEN TEILS EINER MECHANISCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE DETECTION POUR MESURER LE DEPLACEMENT D'UNE PIECE MOBILE D'UN DISPOSITIF MECANIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0303777A1] A sensor arrangement for a measurement of the travel of a moving component of a mechanical device, for example the lift of a fork-lift truck, is disclosed, whereby a part (13) of the non-contact sensor arrangement is arranged on the moving component (4) and another part (12) of the sensor arrangement is arranged at a reference point for the device (2). A radar transmitter (12) with an integrated radar sensor is mounted at the reference point of the device and a reflecting device (13) for beaming the radar beams from the radar transmitter (12) back to the radar sensor (12) is provided on the moving component (4). The path of the travel of the moving component (4) on the mechanical device (2) can be determined from the runtime of the radar beams.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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