

Title (en)  
SENSOR ASSEMBLY FOR COMBINED SPEED-TORQUE DETECTION

Title (de)  
SENSORANORDNUNG ZUR KOMBINIERTEN DREHZAHL-DREHMOMENT-ERFASSUNG

Title (fr)  
DISPOSITIF CAPTEUR POUR L'ENREGISTREMENT COMBINÉ DE VITESSE DE ROTATION ET DE COUPLE

Publication  
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Application  
**EP 10790398 A 20101207**

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Abstract (en)  
[origin: WO2011076554A1] The invention relates to a sensor assembly (01) having at least two phase tracks (04, 05) spaced apart from each other in the axial direction of a rotation axis (02) of a rotating body (03) and arranged revolving around the body (03) and having at least one sensor element (11, 12, 13, 14, 15, 16, 17) per phase track (04, 05) arranged in a stationary manner opposite the rotating body (03) and detecting the respective phase track (04, 05). According to the invention, at least one first sensor element (11, 15) allocated to a first phase track (04) having at least one second sensor element (12, 16) likewise allocated to the first phase track (04) is connected to at least one first sensor element bridge (09) extending parallel to the phase track (04, L) and perpendicular to the rotation axis (02) of the rotating body (03) in an overhead view and at least one sensor element (14, 17) allocated to a second phase track (05) having at least one sensor element (13, 15) allocated to the first phase track (04) is connected to at least one second sensor element bridge (10) extending perpendicular to the two phase tracks (04, 05, L) and parallel to the rotation axis (02) in an overhead view.

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**G01L 3/10** (2006.01)

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