

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
EP 2516978 A1 20121031 (DE)

Application
EP 10790398 A 20101207

Priority
• DE 102009055275 A 20091223
• EP 2010069018 W 20101207

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.

IPC 8 full level
G01L 3/10 (2006.01)

CPC (source: EP US)
G01L 3/109 (2013.01 - EP US)

Citation (search report)
See references of WO 2011076554A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011076554 A1 20110630; CN 102667434 A 20120912; DE 102009055275 A1 20110630; EP 2516978 A1 20121031; US 2012325020 A1 20121227; US 8863592 B2 20141021

DOCDB simple family (application)
EP 2010069018 W 20101207; CN 201080058441 A 20101207; DE 102009055275 A 20091223; EP 10790398 A 20101207; US 201013518728 A 20101207