

Title (en)
TORQUE SENSOR ARRANGEMENT

Title (de)
DREHMOMENTSENSORANORDNUNG

Title (fr)
ENSEMBLE DE CAPTEUR DE COUPLE

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Abstract (en)
[origin: WO2008068334A1] Sensor arrangement for measuring a torque affecting a shaft, wherein the shaft has a first shaft section (1) and a second shaft section (2), and both these shaft sections can be rotated in opposite directions. At least one magnetic encoder (3) is arranged on the first shaft section (1), and a stator (4) is arranged on the second shaft section (2), wherein the stator has two stator elements (5, 6), each with protruding fingers (7), and a flow concentrator (8, 9) is assigned to each or both of the stator elements (5, 6). Said flow concentrator (8, 9) feeds the magnetic field to be sensed, generated by the magnetic encoder (3), directly or indirectly to at least one magnetic field sensor element (10), wherein the at least one flow concentrator (8, 9) is fixed to a support element (11, 12) which is of elastic construction at least in part, wherein the support element has a centering device.

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