

Title (en)
INDUCTIVE TORQUE SENSOR

Title (de)
INDUKTIVER DREHMOMENTSENSOR

Title (fr)
CAPTEUR DE COUPLE À INDUCTION

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Application
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Abstract (en)
[origin: WO2009095442A1] The present invention relates to an inductive torque sensor (1), particularly for a motor vehicle, comprising - at least one excitation coil, - at least one oscillator circuit, which is coupled to the excitation coil and during operation couples a periodic alternating current signal into the excitation coil, - a stator circuit board (2) having a first receiver means (20) and a second receiver means (21), which each comprise a number of periodically recurring receiver structures, - at least two rotors (3, 4), which can be rotated relative to each other and relative to the stator circuit board (2) and influence the strength of the inductive coupling between the excitation coil and the receiver means (20, 21), - evaluation means, which are suited for evaluating the signals induced in the receiver means (20, 21), wherein the number N of the receiver structures of the first receiver means (20) and the number M of the receiver structures of the second receiver means (21) have an integral correlation with each other.

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