

Title (en)  
DEVICE FOR DETERMINING THE TORQUE ON A ROTATING METALLIC SHAFT

Title (de)  
EINRICHTUNG ZUM ERMITTELN DES DREHMOMENTES AN EINER ROTIERBAREN METALISCHEN WELLE

Title (fr)  
DISPOSITIF PERMETTANT DE DETERMINER LE COUPLE DE ROTATION D'UN ARBRE METALLIQUE ROTATIF

Publication  
**EP 1377805 A2 20040107 (DE)**

Application  
**EP 02727295 A 20020409**

Priority  
• DE 0201305 W 20020409  
• DE 10117724 A 20010409

Abstract (en)  
[origin: WO02082031A2] A sensor head (2) for an eddy current sensor (4) is radially directed at a shaft (1). The electrical conductivity of the shaft (1) changes corresponding to the torque placed on the shaft. Said change leads to a change in the coupling power in the eddy current sensor (4) which is recorded in an analytical circuit. It is thus possible to reliably determine the torque on the shaft (1) without extensive constructive changes to the shaft.

IPC 1-7  
**G01L 3/10**

IPC 8 full level  
**G01L 3/10** (2006.01)

CPC (source: EP)  
**G01L 3/105** (2013.01)

Citation (search report)  
See references of WO 02082031A2

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