

Title (en)  
SENSOR ARRANGEMENT FOR A SHAFT THAT IS MOUNTED IN A MAGNETIC BEARING

Title (de)  
SENSORANORDNUNG FÜR EINE IN EINEM MAGNETLAGER GELAGERTE WELLE

Title (fr)  
ENSEMBLE CAPTEUR POUR UN ARBRE LOGÉ DANS UN PALIER MAGNÉTIQUE

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Application  
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Abstract (en)  
[origin: WO2009030221A2] The invention relates to a sensor arrangement for a shaft (1) that is mounted in a magnetic bearing (2). Said arrangement comprises magnetic shielding which shields the magnetic bearing (2) by forming a magnetically shielded area, magnetic encoding (10) that is situated on the shaft (1) in the magnetically shielded area and at least one receiver (11) that detects at least one alteration of the magnetic field of the magnetic encoding (10). The aforementioned sensor arrangement for a shaft (1) that is mounted in a magnetic bearing (2) permits the provision of an arrangement of this type that uses magnetic encoding (10) of the shaft (1) to detect the position of said shaft (1) in the closest proximity possible to the magnetic bearing (2).

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