

Title (en)
MAGNETIC SENSOR ARRANGEMENT

Title (de)
MAGNETSENSORANORDNUNG

Title (fr)
ENSEMBLE CAPTEUR MAGNETIQUE

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Application
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Abstract (en)
[origin: WO2005088258A1] The invention relates to a magnetic sensor arrangement (1) wherein sensor elements (5, 6) which are sensitive to magnetic fields (5, 6), and the electric properties thereof which can be modified according to a magnetic field, are influenced by a displaceable passive transmitter element. The magnetic sensor arrangement (1) comprises two sensor elements (5, 6) in a gradiometer arrangement. Said elements are respectively associated with one or two permanent magnets (2, 3) which are arranged at a predetermined distance. The dimensions, the distances and the positions of the permanent magnets (2, 3) in relation to the sensor elements (5, 6) are arranged such that the offset of the output signal of the sensor elements (5, 6) is minimised in the gradiometer arrangement.

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