

Title (en)  
ELECTROMAGNETIC SENSOR FOR DETECTING A TARGET

Title (de)  
ELEKTROMAGNETISCHER GEBER ZUR ERKENNUNG EINES ZIELES

Title (fr)  
CAPTEUR ELECTROMAGNETIQUE POUR LA DETECTION D'UNE CIBLE

Publication  
**EP 0830733 A1 19980325 (FR)**

Application  
**EP 96920891 A 19960603**

Priority

- FR 9600834 W 19960603
- FR 9506763 A 19950608

Abstract (en)  
[origin: FR2735224A1] An electromagnetic sensor comprising a coil (2) combined with a highly magnetically permeable core (1) in the form of a flat plate, said coil being attached to one surface of the core and having an axis of symmetry perpendicular to the core surface to which it is attached, as well as a thickness greater than the coil dimension along said axis of symmetry, whereby the magnetic field lines (4) generated by energising the coil are all substantially within the core.

IPC 1-7  
**H03K 17/95**; G01V 3/10; G01D 5/20; G01B 7/02

IPC 8 full level  
**G01D 5/20** (2006.01); **G01V 3/10** (2006.01); **H03K 17/95** (2006.01)

CPC (source: EP)  
**G01D 5/2046** (2013.01); **G01D 5/2053** (2013.01); **G01V 3/105** (2013.01); **H03K 17/9505** (2013.01)

Citation (search report)  
See references of WO 9642138A1

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