

Title (en)  
ANGLE SENSOR AND A METHOD FOR DETERMINING AN ANGLE

Title (de)  
WINKELGEBER UND VERFAHREN ZUR WINKELBESTIMMUNG

Title (fr)  
CAPTEUR ANGULAIRE ET PROCEDE DE DETERMINATION D'UN ANGLE

Publication  
**EP 0990120 A1 20000405 (DE)**

Application  
**EP 99913116 A 19990311**

Priority

- DE 9900663 W 19990311
- DE 19817356 A 19980418

Abstract (en)  
[origin: DE19817356A1] The detector determines an angle between a sensor arrangement (4,5,6,7) and a magnetic field generated by a magnet (2). At least four Hall elements (4,5,6,7) are arranged in the magnetic field. Flux conducting elements (3) of ferromagnetic material are arranged between the Hall elements and fixedly connected to them. The magnet (2) is arranged to rotate relative to the Hall elements and flux elements. Independent claims also cover a method of determining the angle using the arrangement.

IPC 1-7  
**G01D 5/14; G01B 7/30**

IPC 8 full level  
**G01B 7/00** (2006.01); **G01B 7/30** (2006.01); **G01D 5/14** (2006.01)

CPC (source: EP US)  
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**DE 19817356 A1 19991021**; AU 3137599 A 19991108; AU 751979 B2 20020905; EP 0990120 A1 20000405; JP 2002506530 A 20020226; US 6479987 B1 20021112; WO 9954684 A1 19991028

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