

Title (en)

HALL-EFFECT CONTACTLESS POSITION SENSOR

Title (de)

KONTAKTLOSER POSITIONSGEBER UNTER VERWENDUNG VON HALLEFFEKT

Title (fr)

CAPTEUR DE POSITION SANS CONTACT, A EFFET HALL

Publication

EP 0839315 A1 19980506 (FR)

Application

EP 97924082 A 19970513

Priority

- FR 9700844 W 19970513
- FR 9606093 A 19960515

Abstract (en)

[origin: WO9743603A1] A contactless position sensor including a Hall-effect cell (10) and a magnetic circuit consisting of a permanent magnet (18) and two pole pieces (20, 22). The magnet (18) and the cell (10) are arranged side by side between the pole pieces (20, 22), and said pole pieces comprise active surfaces (32, 34) at the opposite end from the cell relative to the magnet. This arrangement directly produces an output signal (Va-Vb) proportional to the distance (e) between the active surfaces (32, 34) and the target (38).

IPC 1-7

G01D 5/14; **G01B 7/02**

IPC 8 full level

G01B 7/00 (2006.01); **G01B 7/02** (2006.01); **G01D 5/14** (2006.01)

CPC (source: EP US)

G01B 7/023 (2013.01 - EP US); **G01D 5/147** (2013.01 - EP US); **Y10S 73/03** (2013.01 - EP US)

Citation (search report)

See references of WO 9743603A1

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