

Title (en)
SIMPLIFIED POSITION OR DISPLACEMENT SENSOR AND USE THEREOF

Title (de)
WEGGEBER UND DESSEN VERWENDUNG

Title (fr)
CAPTEUR DE POSITION OU DE DEPLACEMENT SIMPLIFIE, ET APPLICATION

Publication
EP 1373833 A2 20040102 (FR)

Application
EP 02722355 A 20020321

Priority
• FR 0200984 W 20020321
• FR 0104054 A 20010323

Abstract (en)
[origin: FR2822539A1] Position or displacement sensor comprises a detection circuit and a slider or cursor (2), with the cursor mounted so that it is mobile with respect to the detection circuit. The cursor has a support (20) and an influencing element (21). The support has no influence on the circuit while the influencing element interacts with the circuit such that its output is proportional to the position of the influencing element. The influencing element comprises conducting particles embedded in a dielectric support. Typically the support is of a thermoplastic polymer and the embedded particles are a metal or alloy. The detection circuit generates a magnetic field that is affected by the influencing element.

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G01D 5/20

IPC 8 full level
B60T 17/22 (2006.01); **G01B 7/00** (2006.01); **G01D 5/20** (2006.01)

CPC (source: EP KR US)
G01D 5/20 (2013.01 - EP KR US)

Citation (search report)
See references of WO 02082020A2

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FR 2822539 A1 20020927; FR 2822539 B1 20030808; BR 0204745 A 20030610; CN 1636131 A 20050706; EP 1373833 A2 20040102; JP 2004525371 A 20040819; KR 20030007679 A 20030123; US 2004108851 A1 20040610; WO 02082020 A2 20021017; WO 02082020 A3 20030103

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