

Title (en)
POSITION SENSOR PROVIDED IN THE FORM OF A HALL-EFFECT SENSOR

Title (de)
ALS HALL-SENSOR AUSGEBILDETER POSITIONSSENSOR

Title (fr)
DETECTEUR DE POSITION CON U COMME DETECTEUR A EFFET HALL

Publication
EP 1521946 A1 20050413 (DE)

Application
EP 03763663 A 20030628

Priority
• DE 20211518 U 20020713
• EP 0306875 W 20030628

Abstract (en)
[origin: WO2004008080A1] The invention relates to a position sensor provided in the form of a Hall-effect sensor, comprising an elongated circuit support (32), which is provided in the form of a molded interconnect device (MID) and which contains an elongated supporting element (34) made of an injection-molded plastic material. Said supporting element has, in the area of its front face (37), a supporting surface (36) that is fitted with a sensor element (26), which contains a Hall plate (27) or forms a Hall plate (27), in such a manner that the plane of the Hall plate (27) extends at a right angle to the longitudinal axis of the circuit support (32). The sensor element (26) is electrically contacted by means of conductor paths (35) that are formed by a structured metal layer applied to the supporting element (34).

IPC 1-7
G01D 11/24; **F15B 15/28**

IPC 8 full level
F15B 15/28 (2006.01); **G01B 7/00** (2006.01)

CPC (source: EP US)
F15B 15/2807 (2013.01 - EP US); **F15B 15/2892** (2013.01 - EP US); **G01B 7/003** (2013.01 - EP US); **B29L 2031/3493** (2013.01 - EP US)

Citation (search report)
See references of WO 2004008080A1

Cited by
CN109931840A; US7631885B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 20211518 U1 20020912; EP 1521946 A1 20050413; US 2005231197 A1 20051020; WO 2004008080 A1 20040122

DOCDB simple family (application)
DE 20211518 U 20020713; EP 0306875 W 20030628; EP 03763663 A 20030628; US 51649104 A 20041201