

Title (en)
INCLINATION SENSOR

Publication
EP 0359090 A3 19910515 (DE)

Application
EP 89116337 A 19890905

Priority
DE 3831144 A 19880913

Abstract (en)
[origin: EP0359090A2] The inclination sensor contains a freely moveable ball (4) in a trough (3, 3', 8). The position of rest of the ball (4) on the trough wall (3, 3', 13' 13") depends upon how "obliquely" the trough and thus also the housing (1) of the inclination sensor is situated with respect to the horizontal. From the fact that in its position of rest the ball (4) either does or does not connect to one another two regions of the trough which are electrically insulated from one another, e.g. the trough bottom (7) and the trough wall (3') it is to be derived in each case whether the position of the housing bottom (2) is situated inside or outside a class of a specific inclination. The annular subdivision (13, 13', 13") of the wall surface of the trough enables a classification of the amount of the inclination, a sectoral subdivision (10...10'") enables a classification of the direction of the inclination. By a combination of the sectoral and azimuthal division of the trough wall it is possible to detect both the direction and the amount of the inclination in a grid. <IMAGE>

IPC 1-7
H01H 3/02

IPC 8 full level
H01H 35/02 (2006.01)

CPC (source: EP)
H01H 35/025 (2013.01)

Citation (search report)
• [Y] FR 2510900 A1 19830211 - THOMSON BRANDT [FR]
• [Y] DE 3512486 A1 19861016 - JANUS DIETMAR
• [A] FR 965982 A 19500927
• [A] DE 580319 C 19330708 - HOLZ HELMUT, et al
• [A] EP 0223947 A2 19870603 - ALLIED CORP [US]
• [A] US 1662979 A 19280320 - NELSON PAUL R
• [A] US 3701093 A 19721024 - PICK STEVE J

Cited by
CN114512369A; GB2274743A; GB2274743B; FR2673322A1; CH707860A1; DE102006062600A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0359090 A2 19900321; EP 0359090 A3 19910515; DE 3831144 A1 19900315

DOCDB simple family (application)
EP 89116337 A 19890905; DE 3831144 A 19880913