

Title (en)
POSITION SENSOR WITH DIRECTING MECHANISM

Title (de)
POSITIONSSENSOR MIT AUSRICHTUNGSMECHANISMUS

Title (fr)
DETECTEUR DE POSITION AVEC MECANISME D'ORIENTATION

Publication
EP 1131832 A1 20010912 (FR)

Application
EP 99972361 A 19991116

Priority
• FR 9902807 W 19991116
• FR 9814481 A 19981118

Abstract (en)
[origin: FR2785985A1] The invention concerns a position sensor (60) for a mobile part capable of actuating a push button (66) of the sensor and more precisely a mechanism directing the sensor push button. The sensor comprises: a guide (62) adjustable in rotation in a body (64) about a first axis of rotation XX', and a push button (66) sliding without rotation inside the guide (62) along said axis XX'; a positioner (8) locking the guide in rotation inside the body about the axis of rotation in a specific angular position. The positioner being irremovably fixed in the body and comprising, either several tabs (98, 104) uniformly distributed around the guide and capable of penetrating in a positioning groove (102) to lock the guide, or several positioning grooves (102), wherein one tab (98, 104) can penetrate to lock the guide. The invention is useful for detecting the position of moving mechanical elements.

IPC 1-7
H01H 11/00; **H01H 13/18**

IPC 8 full level
H01H 11/00 (2006.01); **H01H 13/18** (2006.01)

CPC (source: EP US)
H01H 11/0018 (2013.01 - EP US); **H01H 13/18** (2013.01 - EP US); **H01H 2011/0025** (2013.01 - EP US); **H01H 2021/287** (2013.01 - EP US)

Citation (search report)
See references of WO 0030136A1

Cited by
DE102014109072A1; DE102014109072B4; EP2960919A1; US9646777B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
FR 2785985 A1 20000519; **FR 2785985 B1 20010223**; DE 69903338 D1 20021107; DE 69903338 T2 20030731; EP 1131832 A1 20010912; EP 1131832 B1 20021002; US 6518522 B1 20030211; WO 0030136 A1 20000525

DOCDB simple family (application)
FR 9814481 A 19981118; DE 69903338 T 19991116; EP 99972361 A 19991116; FR 9902807 W 19991116; US 83138101 A 20010517