

Title (en)
WHEEL WORK PART COMPRISING A CAPACITIVE SENSING DEVICE

Title (de)
UHRWERK MIT KAPAZITIVER DETEKTIONSVORRICHTUNG

Title (fr)
PIECE D'HORLOGERIE COMPORTANT UN DISPOSITIF DE DETECTION CAPACITIF

Publication
EP 0960361 A1 19991201 (FR)

Application
EP 98901919 A 19980216

Priority
• CH 9800057 W 19980216
• FR 9701813 A 19970217

Abstract (en)
[origin: FR2759792A1] The invention concerns a wheel work part (51) comprising a rotary mobile (1) and a contactless electric sensing device for detecting the positions and/or movements of said mobile. In order to avoid the problems arising from standard systems with electric switches, the sensing device comprises at least a capacitive sensor (55, 56) having one or several fixed electrodes (59, 60) and a toothed rotor (57, 58) driven by said mobile, and electronic sensing means sensitive to variations in capacitance of said sensor. The device may have two capacitive sensors (55, 56) with output signals in quadrature for indicating the direction of the rotation of the mobile. This mobile can be a control stem (1) for time setting, or another component such as a watch hand stem.

IPC 1-7
G04G 1/00; **G04C 3/00**; **G04C 3/14**

IPC 8 full level
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CPC (source: EP US)
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