Title (en)
SENSOR DEVICE HAVING ROTATIONAL DIRECTION DETECTION

Title (de)
SENSORVORRICHTUNG MIT DREHRICHTUNGSERFASSUNG

Title (fr)
DISPOSITIF CAPTEUR PRÉSENTANT ENREGISTREMENT DU SENS DE ROTATION

Publication
EP 2622153 A1 20130807 (DE)

Application
EP 11769776 A 20110926

Priority
• DE 102010037877 A 20100930
• EP 2011004798 W 20110926

Abstract (en)
[origin: WO2012041471A1] A sensor device according to the invention is equipped to be used in a rotary knob (120) of a knob cylinder (100).
The sensor device has at least one pair of sensors (125) and a counter-element (113). Said counter-element (113) and the at least one pair of
sensors (125) are disposed so as to be movable relative to one another along a circular movement path. The counter-element (113) and the sensors
(125) are located opposite one another in such a way that the detection regions (126) of the sensors (125) enclose a respective sub-region of the
movement path and partially overlap one another in the region of the movement path. The movement path extends partially outside the detection
regions (126) of the at least one pair of sensors (125). A rotary knob (120) according to the invention is disposed so as to be freely rotatable relative
to a lock bit (111) of a profiled cylinder (110) and can be activated in such a way that, for the time of activation, the rotary knob (120) energizes
an actuator which is rotationally operatively connected to the lock bit (111) in such a way that said actuator rotates the lock bit in a predetermined
direction. The rotary knob (120) comprises a reader (121) which is designed to read data of a code card. Furthermore, the rotary knob (120)
comprises the aforementioned sensor device.

IPC 8 full level
E05B 17/22 (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)
E05B 17/22 (2013.01); **E05B 47/0611** (2013.01); **E05B 47/0615** (2013.01); E05B 2047/0067 (2013.01)

Citation (search report)
See references of WO 2012041471A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012041471 A1 20120405; CN 103154408 A 20130612; CN 103154408 B 20160518; DE 102011114286 A1 20130124;
EP 2622153 A1 20130807; EP 2622153 B1 20200902; SG 188325 A1 20130430

DOCDB simple family (application)
EP 2011004798 W 20110926; CN 201180047641 A 20110926; DE 102011114286 A 20110926; EP 11769776 A 20110926;
SG 2013014840 A 20110926