

Title (en)

ELECTRICAL CIRCUIT THAT ALLOWS TO DISTINGUISH BETWEEN A HAND APPROACHING, ENCLOSING AND TOUCHING A DOOR HANDLE

Title (de)

ELEKTRISCHE SCHALTUNGSANORDNUNG, DIE ES ERMÖGLICHT ZWISCHEN ANNÄHERUNG, UMSCHLIESSUNG UND BERÜHRUNG EINES TÜRGRIFFS DURCH EINE HAND ZU UNTERSCHIEDEN

Title (fr)

CIRCUIT ÉLECTRIQUE PERMETTANT DE DIFFÉRENCIER UN RAPPROCHEMENT, UN ENCEMENT ET UN CONTACT D'UNE POIGNÉE DE PORTE PAR UNE MAIN

Publication

**EP 1849137 A1 20071031 (DE)**

Application

**EP 06706517 A 20060131**

Priority

- EP 2006000824 W 20060131
- DE 202005001566 U 20050131

Abstract (en)

[origin: WO2006082022A1] The invention relates to an electrical circuit for generating or receiving an output signal or a switching state indicating the effective locking state of a door system, especially a motor vehicle door system. The aim of the invention is to provide a circuit enabling an output signal indicating the locking state of a door system to be generated, the generation of said signal taking better into account the intentions of a user or the instantaneous situation. To this end, according to a first embodiment of the invention, an electrical circuit is used to generate an output signal or a switching state indicating the course of the determination of the locking state of a door system. Said circuit comprises door-side system components provided with means for detecting electrical interactions in conjunction with an action, especially a movement of a user in the surrounding region of the door system, especially in the immediate vicinity of a door handle. The circuit is embodied in such a way that it analyses modifications of each interaction in terms of defined temporal signal modification patterns, and the possible presence of defined temporal signal modification patterns is taken into account during further electronic signal processing for the determination of the locking state.

IPC 8 full level

**E05B 65/00** (2006.01); **B60R 25/24** (2013.01); **E05B 49/00** (2006.01); **E05B 65/20** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)

**B60R 25/246** (2013.01 - EP US); **E05B 81/78** (2013.01 - EP US); **G07C 9/00309** (2013.01 - EP US); **B60R 2325/101** (2013.01 - EP US); **E05B 81/77** (2013.01 - EP US); **G07C 2009/00373** (2013.01 - EP US); **G07C 2209/64** (2013.01 - EP US); **G07C 2209/65** (2013.01 - EP US)

Citation (search report)

See references of WO 2006082022A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 202005001566 U1 20050825**; EP 1849137 A1 20071031; ES 2646322 T3 20171213; US 2008024312 A1 20080131; US 7868746 B2 201110111; WO 2006082022 A1 20060810

DOCDB simple family (application)

**DE 202005001566 U 20050131**; EP 06706517 A 20060131; EP 2006000824 W 20060131; ES 05018533 T 20050825; US 83106707 A 20070731