Title (en)

LOCK, IN PARTICULAR FOR AUTOMOTIVE DOORS, FLAPS OR THE LIKE

Title (de)

SCHLOSS, INSBESONDERE FÜR FAHRZEUGTÜREN, -KLAPPEN ODER DERGLEICHEN

Title (fr)

SERRURE, NOTAMMENT POUR PORTES DE VEHICULES, BATTANTS OU SIMILAIRES

Publication

EP 1727953 A2 20061206 (DE)

Application

EP 05715717 A 20050304

Priority

- EP 2005002274 W 20050304
- DE 102004013671 A 20040319

Abstract (en)

[origin: WO2005093195A2] A lock comprises a rotary latch (10) with a pre-latch position (12) and a main latch position (11), the latch being retained by a catch (20). A combined, power-driven closing and opening aid ensures an increased comfort when closing or opening the door by means of two drive elements (50, 60) that can be moved simultaneously, namely a closing element (50) and an opening element (60). In order to obtain a compact lock, both drive elements (50, 60) are arranged on a common drive wheel (40) with a mutual axial offset. Moreover, the closing element (50) is movable relative to the opening element (60) in two rotation planes which are axially offset relative to one another. A carrier (14) is also provided on the rotary latch (10), in the plane of the closing element (50), while the catch (20) has a release finger (23) arranged in the plane of the opening element. The opening element (60) is resiliently received in the drive wheel (40) and can be automatically moved between a retracted position and an extended position.

IPC 8 full level

E05B 65/12 (2006.01); **E05B 65/32** (2006.01)

CPC (source: EP KR US)

E05B 81/20 (2013.01 - EP US); **E05B 81/32** (2013.01 - KR); **E05B 85/20** (2013.01 - KR); E05B 81/15 (2013.01 - EP US); E05B 81/21 (2013.01 - EP US); Y10T 70/5889 (2015.04 - EP US)

Citation (search report)

See references of WO 2005093195A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2005093195 A2 20051006; **WO 2005093195 A3 20051229**; AT E371792 T1 20070915; CN 1934328 A 20070321; CN 1934328 B 20120530; DE 102004013671 A1 20051020; DE 102004013671 B4 20060706; DE 502005001386 D1 20071011; EP 1727953 A2 20061206; EP 1727953 B1 20070829; KR 20060135886 A 20061229; US 2008271503 A1 20081106

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