

Title (en)
Locking device

Title (de)
Schliessvorrichtung

Title (fr)
Dispositif de verrouillage

Publication
EP 1655429 A3 20080319 (EN)

Application
EP 05380241 A 20051031

Priority
ES 200402655 A 20041105

Abstract (en)
[origin: EP1655429A2] Locking device for vehicle doors, that comprises an actuatable pin (2) that draws said door from a pre-locking position to a final locking position, the device having a casing (3) with a slide that guides the movement of the pin, and a rotary ring (5), and integrally joined to the rotational axis of said ring are a drive cam (8) adapted for moving the pin along the slide in one direction, until it reaches the pre-locking position, and the crank of a crank-slider mechanism that connects the ring with the pin, and which moves the pin along the slide in the opposite direction as the ring continues its rotation, until it reaches the final locking position. All of this is adapted in such a way that the pin has to describe an alternating up and down movement with each cycle of the ring's rotation.

IPC 8 full level
E05B 65/12 (2006.01); **E05B 17/00** (2006.01)

CPC (source: EP ES)
E05B 17/0029 (2013.01 - EP ES); **E05B 81/06** (2013.01 - EP); **E05B 81/20** (2013.01 - EP)

Citation (search report)

- [A] GB 2112443 A 19830720 - KIEKERT GMBH CO KG
- [A] FR 2768761 A1 19990326 - VALEO SYSTEMES DE FERMETURES [FR]
- [A] DE 10015596 A1 20011004 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] EP 0940531 A1 19990908 - DELPHI TECH INC [US]

Cited by
WO2009056129A3

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1655429 A2 20060510; **EP 1655429 A3 20080319**; ES 2272132 A1 20070416; ES 2272132 B1 20080301

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EP 05380241 A 20051031; ES 200402655 A 20041105