

Title (en)
Locking device with rotary latch bolt

Title (de)
Drehfallenverriegelungseinrichtung

Title (fr)
Dispositif de verrouillage à pêne pivotant

Publication
EP 2578781 A3 20150826 (DE)

Application
EP 12182145 A 20120829

Priority
DE 102011053087 A 20110829

Abstract (en)
[origin: EP2578781A2] The lock device (10) has a rotary latch (20) for receiving a coupling pin (26) in closed position and for releasing the pin in open position. A locking lever (24) is arranged to lock the latch in closed position and to release the latch in release position. By the absence of rotary latch lever (30), a locking cam of the latch blocks the lever (24). A signal is output from a switch (34) movable between locking and unlocking positions of locking lever (22), when the lever (24) reaches its release position, while the top dead center position of lock is not achieved.

IPC 1-7
E05B 65/32

IPC 8 full level
B61D 19/00 (2006.01); **E05B 17/22** (2006.01)

CPC (source: EP)
E05B 15/0086 (2013.01); **E05B 81/18** (2013.01); **E05B 81/64** (2013.01); **E05B 81/66** (2013.01); **E05B 81/72** (2013.01); **E05B 83/363** (2013.01); **E05B 85/24** (2013.01)

Citation (search report)

- [I] US 2567114 A 19510904 - LINN CLARENCE E
- [A] DE 202008012410 U1 20100211 - BODE GMBH & CO KG [DE]
- [A] EP 2165869 A1 20100324 - BODE GMBH & CO KG [DE]
- [AP] EP 2431558 A2 20120321 - BODE GMBH & CO KG [DE]
- [A] EP 1707718 A2 20061004 - GOODRICH ACTUATION SYSTEMS LTD [GB]

Cited by
CN109972939A; EP3805496A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2578781 A2 20130410; EP 2578781 A3 20150826; EP 2578781 B1 20190220; ES 2725781 T3 20190927; PL 2578781 T3 20190830; TR 201906627 T4 20190521

DOCDB simple family (application)
EP 12182145 A 20120829; ES 12182145 T 20120829; PL 12182145 T 20120829; TR 201906627 T 20120829