

Title (en)
Locking system with levers

Title (de)
Verriegelungssystem mit Hebeln

Title (fr)
Système de verrouillage doté de leviers

Publication
EP 2500499 B1 20170621 (DE)

Application
EP 12160175 A 20120319

Priority
DE 102011001413 A 20110318

Abstract (en)
[origin: EP2500499A2] The system has a drive motor (30), a drive carrier (31) and two pivot arms (20, 21) for moving a door leaf (10) between a closed position and an open position, where the door leaf is laterally supported on a vehicle at a primary leading edge (11) and a secondary leading edge (12) in the closed position. A locking device is arranged at the pivot arm of the secondary leading edge and comprises two top dead center driving levers (41, 42), which are lockable in a top dead center at the secondary leading edge by a reaction moment of the drive motor in the closed position of the door leaf. An independent claim is also included for a method for operating a locking system.

IPC 8 full level
E05D 15/10 (2006.01); **E05F 15/652** (2015.01); **E05F 15/655** (2015.01)

CPC (source: EP US)
E05D 15/1044 (2013.01 - EP US); **E05F 15/652** (2015.01 - EP US); **E05F 15/655** (2015.01 - EP US); **E05Y 2201/22** (2013.01 - EP US); **E05Y 2201/238** (2013.01 - EP); **E05Y 2201/434** (2013.01 - EP); **E05Y 2201/608** (2013.01 - EP); **E05Y 2600/322** (2013.01 - EP); **E05Y 2900/51** (2013.01 - EP US)

Cited by
EP3480406A1; CN114000789A; CN111206843A; CN111335771A; CN106232924A; DE202017103984U1; WO2015177148A1; DE202022102869U1; EP4283084A1

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)
EP 2500499 A2 20120919; EP 2500499 A3 20150513; EP 2500499 B1 20170621; ES 2640479 T3 20171103; PL 2500499 T3 20171229

DOCDB simple family (application)
EP 12160175 A 20120319; ES 12160175 T 20120319; PL 12160175 T 20120319