

Title (en)
FLOOR LOCK

Title (de)
BODENVERRIEGELUNG

Title (fr)
VERROUILLAGE DE PLANCHER

Publication
EP 1794399 B1 20080213 (DE)

Application
EP 05784378 A 20050915

Priority
• EP 2005009919 W 20050915
• AT 15742004 A 20040917

Abstract (en)
[origin: WO2006029856A1] The invention relates to a locking device for a swinging/sliding door, in particular for motor vehicles, cooperating with a guide rail (9), arranged along the bottom horizontal edge door leaf of the swinging/sliding door and provided in the region of the secondary closing edge and operated by a door actuator. The invention is characterised by a four-bar mechanism, preferably a parallelogram, formed by an essentially horizontally-arranged coupling member (1) and levers (2, 3) jointed thereto, whereby a crank (14) is provided on one of the arms (2, 3) into which an locking bolt extends, which may be displaced in to the crank by means of an actuator (6) driven by the door drive.

IPC 8 full level
E05D 15/10 (2006.01); **B61D 19/00** (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP KR US)
E05D 15/1068 (2013.01 - EP KR US); **E05D 2015/1086** (2013.01 - EP KR US); **E05Y 2201/22** (2013.01 - EP KR US); **E05Y 2201/232** (2013.01 - EP KR US); **E05Y 2201/238** (2013.01 - EP KR US); **E05Y 2201/60** (2013.01 - EP KR US); **E05Y 2201/624** (2013.01 - EP KR US); **E05Y 2900/51** (2013.01 - EP KR US); **Y10S 292/23** (2013.01 - EP KR US); **Y10T 292/0886** (2015.04 - EP US); **Y10T 292/089** (2015.04 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

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)
WO 2006029856 A1 20060323; AT 414115 B 20060915; AT A15742004 A 20051215; AT E386186 T1 20080315; AU 2005284287 A1 20060323; AU 2005284287 B2 20100513; BR PI0515395 A 20080722; BR PI0515395 B1 20151222; CA 2580635 A1 20060323; CA 2580635 C 20121218; CN 101023236 A 20070822; CN 101023236 B 20111130; DE 502005002862 D1 20080327; EP 1794399 A1 20070613; EP 1794399 B1 20080213; ES 2299085 T3 20080516; JP 2008513635 A 20080501; JP 4904274 B2 20120328; KR 101192049 B1 20121017; KR 20070055551 A 20070530; PL 1794399 T3 20080731; RU 2007114269 A 20081027; RU 2363827 C2 20090810; US 2008191495 A1 20080814; US 7887106 B2 20110215

DOCDB simple family (application)
EP 2005009919 W 20050915; AT 05784378 T 20050915; AT 15742004 A 20040917; AU 2005284287 A 20050915; BR PI0515395 A 20050915; CA 2580635 A 20050915; CN 200580031199 A 20050915; DE 502005002862 T 20050915; EP 05784378 A 20050915; ES 05784378 T 20050915; JP 2007531672 A 20050915; KR 20077006458 A 20050915; PL 05784378 T 20050915; RU 2007114269 A 20050915; US 66293205 A 20050915