

Title (en)
ROTARY LEVER LOCK

Title (de)
DREHRIEGELVERSCHLUSS

Title (fr)
SERRURE À VERROU ROTATIF

Publication
EP 2992154 A1 20160309 (DE)

Application
EP 14716233 A 20140315

Priority
• DE 202013004046 U 20130502
• EP 2014000694 W 20140315

Abstract (en)

[origin: WO2014177237A1] The invention relates to a rotary lever lock comprising a housing (12) having an internally rotatable but axially fixed actuating shaft (14). The free end (30) of said shaft has a circumferential thread (24) and at least one axially oriented flattened section (26). The rotary lever lock also comprises a rotary lever (28) that can be pushed onto the free end (30) of the shaft in a rotationally fixed manner in at least one rotational position, said lever being axially supported on a nut (32) that can be screwed onto the circumferential thread (24). The rotary lever lock is characterised in that the nut (32) is surrounded by a cage (48) forming a laterally accessible space (46) that is delimited by two walls (42, 44). Each wall has a prismatic opening (40) that allows the shaft (30) to be pushed through in a torsionally rigid manner.

IPC 8 full level

E05C 3/04 (2006.01); **E05B 1/00** (2006.01); **E05B 63/06** (2006.01)

CPC (source: EP US)

E05B 5/00 (2013.01 - US); **E05B 33/00** (2013.01 - US); **E05B 35/00** (2013.01 - US); **E05B 41/00** (2013.01 - US); **E05B 57/00** (2013.01 - US);
E05C 3/004 (2013.01 - US); **E05C 3/041** (2013.01 - US); **E05C 3/042** (2013.01 - EP US); **E05C 3/12** (2013.01 - US); **E05C 3/145** (2013.01 - US);
E05B 1/0092 (2013.01 - EP US); **E05B 63/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2014177237A1

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)

DE 202013004046 U1 20140806; CN 105164355 A 20151216; CN 105164355 B 20180612; EP 2992154 A1 20160309;
EP 2992154 B1 20170823; JP 2016520740 A 20160714; JP 6220959 B2 20171025; KR 102127482 B1 20200626; KR 20160003836 A 20160111;
US 2016076283 A1 20160317; US 9605454 B2 20170328; WO 2014177237 A1 20141106

DOCDB simple family (application)

DE 202013004046 U 20130502; CN 201480024960 A 20140315; EP 14716233 A 20140315; EP 2014000694 W 20140315;
JP 2016510955 A 20140315; KR 20157034200 A 20140315; US 201414787829 A 20140315