

Title (en)
LOCK FOR A FLAP OR DOOR

Title (de)
SCHLOSS FÜR EINE KLAPPE ODER TÜR

Title (fr)
SERRURE POUR UNE TRAPPE OU UNE PORTE

Publication
EP 2929114 A2 20151014 (DE)

Application
EP 13734315 A 20130502

Priority
• DE 102012207442 A 20120504
• DE 2013000245 W 20130502

Abstract (en)
[origin: CA2872071A1] The aim of the invention is to design a door lock or flap lock which can be easily and reliably opened with little effort. Said aim is achieved by a door lock or flap lock comprising a locking mechanism that consists of a rotary latch and at least one pawl for locking the rotary latch, the design of the rotary latch and the pawl being such that the rotary latch can initiate a torque in the pawl, in particular an opening moment. The torque is dependent on the detent position of the pawl.

IPC 8 full level
E05B 77/00 (2014.01)

CPC (source: EP KR US)
E05B 77/04 (2013.01 - KR); **E05B 83/24** (2013.01 - EP US); **E05B 85/20** (2013.01 - KR US); **E05B 85/24** (2013.01 - KR);
E05B 85/26 (2013.01 - EP KR US); **E05Y 2900/531** (2013.01 - KR); **Y10T 292/1075** (2015.04 - EP US)

Citation (search report)
See references of WO 2013163982A2

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)
DE 102012207442 A1 20131107; BR 112014027467 A2 20170627; CA 2872071 A1 20131107; CN 104285023 A 20150114;
CN 104285023 B 20170531; EP 2929114 A2 20151014; EP 2929114 B1 20191030; JP 2015520815 A 20150723; JP 6236668 B2 20171129;
KR 102165338 B1 20201014; KR 20150009967 A 20150127; MX 2014013340 A 20150204; RU 2014145649 A 20160627;
US 2015115626 A1 20150430; WO 2013163982 A2 20131107; WO 2013163982 A3 20140306

DOCDB simple family (application)
DE 102012207442 A 20120504; BR 112014027467 A 20130502; CA 2872071 A 20130502; CN 201380023512 A 20130502;
DE 2013000245 W 20130502; EP 13734315 A 20130502; JP 2015509307 A 20130502; KR 20147031403 A 20130502;
MX 2014013340 A 20130502; RU 2014145649 A 20130502; US 201314398750 A 20130502