

Title (en)  
AUTOMATIC MECHANICAL LOCKING LATCH

Title (de)  
AUTOMATISCHER, MECHANISCHER BLOCKIERRIEGEL

Title (fr)  
PÊNE DE VERROUILLAGE MÉCANIQUE AUTOMATIQUE

Publication  
**EP 2927401 A1 20151007 (EN)**

Application  
**EP 15386008 A 20150316**

Priority  
GR 20140100139 A 20140317

Abstract (en)  
The automatic locking latch mechanism is located in a box (2) including a tongue (3) in horizontal position, with a push spring (9) and a trigger (11) on its back and with at least one deadbolt (22) with sheave (15) and spring (21) on the back, in position parallel to the tongue (3), a deflection plate (1) in position vertical to the tongue (3) and the lock plate's deadbolt (22), having at least one sliding - guiding opening (13) of the deflection plate and the deflection plate (1) has a notch (10) on its perimeter, in which the trigger (11) of the tongue (3) is attached, of similar size. The box (2) has the same sliding - guiding openings (14) of the deadbolts. In the door lock (6) a lever (7) is attached on the lock plate (17) of the lock (6), and another lever (5) is attached to the handle (20) spindle (23). Its connection with the simple mechanical latch is also possible. The connection of many automatic mechanical latches together is possible as well.

IPC 8 full level  
**E05B 63/20** (2006.01); **E05B 63/14** (2006.01); **E05C 9/00** (2006.01)

CPC (source: EP GR)  
**E05B 17/00** (2013.01 - GR); **E05B 47/00** (2013.01 - GR); **E05B 59/00** (2013.01 - GR); **E05B 63/00** (2013.01 - GR); **E05B 63/0004** (2013.01 - EP); **E05B 63/14** (2013.01 - EP); **E05B 63/20** (2013.01 - EP); **E05C 9/00** (2013.01 - EP); **G07C 9/00571** (2013.01 - GR)

Citation (search report)  
[A] US 1094962 A 19140428 - ARENS AUGUST [US], et al

Cited by  
GR20160100019A; US11725421B1; CN113374345A; WO2017125768A1

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 2927401 A1 20151007**; GR 20140100139 A 20151022

DOCDB simple family (application)  
**EP 15386008 A 20150316**; GR 20140100139 A 20140317