

Title (en)  
Locking channel latch

Title (de)  
Verriegelung einer Kanalsperre

Title (fr)  
Verrou de canaux de verrouillage

Publication  
**EP 2907943 A1 20150819 (EN)**

Application  
**EP 15155149 A 20150214**

Priority  
US 201461940165 P 20140214

Abstract (en)  
A channel latch having a lock for holding the latch bolt closed which includes a secondary locking feature that prevents the lock from being turned. The lock mechanism has a tumbler barrel (15) with a central reciprocal plunger (10) that has a key (9) portion which outwardly projects through the barrel into a keyway (25) in the bolt (2). The plunger (10) is depressed downward against a spring(11) when a tool is inserted into the tumbler to turn it. The keyway (25) includes longitudinal grooves (21, 23) and a pathway that restrict the upward release of the plunger (10) only when the tumbler is turned to either the locked or unlocked position. Once the plunger (10) is released the key and groove abutment prevents the lock from being turned.

IPC 8 full level  
**E05B 17/20** (2006.01); **E05B 35/00** (2006.01); **E05B 41/00** (2006.01); **E05C 3/04** (2006.01)

CPC (source: EP)  
**E05B 17/2034** (2013.01); **E05B 35/008** (2013.01); **E05B 41/00** (2013.01); **E05C 3/048** (2013.01)

Citation (applicant)  
US 8356844 B2 20130122 - BAIC ZARKO [US], et al

Citation (search report)  
• [AD] US 8356844 B2 20130122 - BAIC ZARKO [US], et al  
• [A] WO 2009100030 A2 20090813 - HARTWELL CORP [US], et al  
• [A] US 5638709 A 19970617 - CLAVIN TIMOTHY J [US]  
• [A] US 6314772 B1 20011113 - HOHLFELDER ERIC W [US]

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)  
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