

Title (en)  
ANTI-THEFT LOCKSET

Title (de)  
DIEBSTAHLSICHERES SCHLOSS

Title (fr)  
SERRURE ANTIVOL

Publication  
**EP 2942456 A4 20160914 (EN)**

Application  
**EP 14877552 A 20141019**

Priority  
• CN 201410005526 A 20140107  
• CN 2014088880 W 20141019

Abstract (en)  
[origin: EP2942456A1] The present invention discloses an anti-theft lockset, belonging to the field of hardware, mainly characterized in that the key comprises a key handle (1), a connecting portion (2) and a key head (4), the key head (4) being mounted on the connecting portion (2), the connecting portion (2) being connected to the key handle (1); columns are provided around a hole, into which the key head (4) is to be mounted, on the connecting portion (2); a long hole (28) is formed on the key head (4); sliders (7) corresponding to the columns (3) are provided in the lock cylinder (12), and a conical chute (8) or bulge (30) fitted with the pin tumbler (23) in the fourth pin tumbler hole (10) is provided on the slider (7); the pin tumbler (22) in the third pin tumbler hole (11) is matched with biting (5) on the key head (4); a slide bar (14) is provided in the lock cylinder (12), with a plurality of flanges (15) different in the outer diameter being provided on the slide bar (14); the pin tumbler (24) in the sixth pin tumbler hole (13) is resisted against the outer circumferential walls of the flanges (15); the slide bar (14) can extend into the long hole (28) of the key head (4); and springs (9, 17) are provided at ends of both the slider (7) and the slide bar (14). The present invention has such a scientific and reasonable structure, achieves multiple and effective guarding against theft and even eliminates the possibility of technical unlocking.

IPC 8 full level  
**E05B 27/08** (2006.01); **E05B 19/14** (2006.01); **E05B 35/14** (2006.01)

CPC (source: EP)  
**E05B 19/0047** (2013.01); **E05B 19/14** (2013.01); **E05B 27/0032** (2013.01); **E05B 27/0035** (2013.01); **E05B 27/0057** (2013.01); **E05B 27/08** (2013.01); **E05B 35/14** (2013.01)

Citation (search report)  
• [A] CN 103437600 A 20131211 - GU YU  
• [A] DE 2614645 A1 19770602 - SANPO LOCK CO LTD  
• See references of WO 2015103896A1

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 2942456 A1 20151111**; **EP 2942456 A4 20160914**; **EP 2942456 B1 20180228**; CN 103790441 A 20140514; CN 103790441 B 20160113; WO 2015103896 A1 20150716

DOCDB simple family (application)  
**EP 14877552 A 20141019**; CN 2014088880 W 20141019; CN 201410005526 A 20140107