

Title (en)  
Lock and key blade

Title (de)  
Schloss und Schlüsselblatt

Title (fr)  
Verrou et panneton de clé

Publication  
**EP 2423412 A2 20120229 (EN)**

Application  
**EP 11179433 A 20110830**

Priority  
DK PA201000771 A 20100831

Abstract (en)  
The present invention relates to a rotary lock cylinder comprising a) a cylinder housing for hosting a cylinder core, b) a cylinder core mounted in said cylinder housing and being able to rotate in said cylinder housing to provide a shear line between said cylinder core and said cylinder housing, wherein said cylinder core has two sets of pin channels, referred to as the third set of pin channels and the fourth set of pin channels, c) a first set of locking pins guided in said third pin channels, d) a second set of locking pins guided in said fourth pin channels, e) a key channel extending in a longitudinal direction of said cylinder core for insertion of a key blade, which cooperates with said first set of locking pins and said second set of locking pins in said cylinder core, f) a longitudinal side bar accommodated in an aperture in said cylinder core which side bar co-acts with said second set of locking pins so that positioning of said second set of locking pins with a correct shaped key blade allows said side bar to clear the shear line, characterized in that said first set of locking pins and said second set of locking pins are arranged in an acute angle.

IPC 8 full level  
**E05B 27/04** (2006.01); **E05B 19/08** (2006.01); **E05B 27/10** (2006.01)

CPC (source: EP)  
**E05B 27/0042** (2013.01); **E05B 27/0082** (2013.01); **E05B 19/0041** (2013.01)

Citation (applicant)  
• US 3499302 A 19700310 - SPAIN ROY C, et al  
• US RE30198 E 19800129  
• US 4756177 A 19880712 - WIDEN BO [SE]

Cited by  
CN104989182A; CN103741993A; CN106013980A; CN103899152A; CN103758408A; WO2013159003A1; US8635022B2; US10087654B2

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 2423412 A2 20120229; EP 2423412 A3 20130116**

DOCDB simple family (application)  
**EP 11179433 A 20110830**