

Title (en)  
High security lock core structure

Title (de)  
Hochsicherheitsschlosskernanordnung

Title (fr)  
Structure de noyau de serrure haute sécurité

Publication  
**EP 2500493 A1 20120919 (EN)**

Application  
**EP 11158772 A 20110318**

Priority  
EP 11158772 A 20110318

Abstract (en)  
A high security lock core structure includes a case, a core, multiple side bead units and multiple bead units. The case includes side holes for receiving the side bead units. The core includes bottom holes which communicate with the top holes. The bead units are located in the top holes and the bottom holes. Each side bead unit includes a side bead and a first resilient member. Each bead unit includes a bottom bead, a top bead, a second resilient member and a cover. The top bead of one of the bead units is replaced by a cone-shaped locking bead which has a cone-shaped base and located at the interfaces of the top and bottom holes to make the core be locked. When the core is in unlocked status by malicious ways, the bottom holes are moved to the side holes to lock the core again.

IPC 8 full level  
**E05B 27/00** (2006.01); **E05B 19/00** (2006.01)

CPC (source: EP)  
**E05B 27/0021** (2013.01); **E05B 27/0064** (2013.01); **E05B 27/0067** (2013.01); **E05B 19/0023** (2013.01); **E05B 47/0045** (2013.01)

Citation (search report)

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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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