

Title (en)  
LOCK AND RELATED KEY

Title (de)  
SCHLOSS UND VERWANDTER SCHLÜSSEL

Title (fr)  
SERRURE ET CLÉ ASSOCIÉE

Publication  
**EP 2176476 B1 20110112 (EN)**

Application  
**EP 07827633 A 20070806**

Priority  
IT 2007000572 W 20070806

Abstract (en)  
[origin: WO2009019726A1] A lock (1) with related key of the type comprising a stator (2) provided with a substantially cylindrical longitudinal cavity (3) for accommodating a rotor (4) with a longitudinal recess (5) for the insertion of a coded key (6), the rotor (4) and the stator (2) comprising a plurality of channels (7) which are substantially aligned and face each other when the lock (1) is in the closed configuration, channels (7) for accommodating respective pins (8), complementary pins (9) and any elastic means (7a) meant to prevent the rotation of the rotor (4) within the stator (2) in the absence of the key (6) within the longitudinal recess (5). At least one of the pins (8) has at least one substantially lateral protruding tab (10) which has an upper edge (11) which is suitably contoured and the key (6) has a cross-section which is shaped complementarily to the cross-section of the longitudinal recess (5) when the pins (8), at the regions that are aligned with the tab (10), are in the configuration for disengaging the stator (2) and the rotor (4), accommodating with contact the end of the pins (8) within respective coding recesses (12) and the contoured edge (11) of the corresponding tab (10) on appropriately provided complementarily shaped portions (13). At least one (14) of the lateral tabs (10) which protrude from the pin (8) can move with respect to the pin (8) and has at least one portion (15) which is stably related with the pin (8).

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