

Title (en)
Key and cylinder lock unit

Title (de)
Schlüssel und Zylinderschlossanlage

Title (fr)
Unité de clé et serrure cylindrique

Publication
EP 0721035 A1 19960710 (EN)

Application
EP 95119473 A 19951211

Priority
IT VE940054 A 19941227

Abstract (en)

A key and cylinder lock unit, in which the lock (2) comprises a plug (6) and a cylinder (8), both provided with a plurality of substantially radial cylindrical recesses (12,10) housing pins (16,18) formed in two parts separated by a surface, which when they assume a predetermined axial and rotational position enable the plug (6) to rotate relative to the cylinder (8) under the control of a key inserted into a corresponding seat (14) provided in the plug (6) and interacting with the end of said pins which extend into said seat, characterised in that: that end of said pins which extends into said seat (14) is provided with an eccentric appendix (30), in that face facing said pins (16,18), the key (4) comprises a continuous channel (36) open towards the end of the key shank (34) and of width and cross-section suitable for housing the appendices (30) of the pins, it extending longitudinally with different depths and with a non-rectangular path, the shape of said channel (36) being such that when the key (4) is totally inserted into its seat (14), the axial and rotational position of each pin (16,18) are such that said plug (6) is released from said cylinder (8).
<IMAGE>

IPC 1-7
E05B 27/00

IPC 8 full level
E05B 27/00 (2006.01)

CPC (source: EP)
E05B 27/0039 (2013.01)

Citation (search report)
[A] WO 8704749 A1 19870813 - WIDEN INNOVATION AB [SE]

Cited by
CN103883168A; CN109723287A; CN104806078A; ES2368543A1; RU2474659C1; EP1013856A1; EP2090726A3; EP2511455A1; WO0039421A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0721035 A1 19960710; EP 0721035 B1 19990317; AT E177812 T1 19990415; DE 69508374 D1 19990422; DE 69508374 T2 19990909;
ES 2129742 T3 19990616; IT 1268687 B1 19970306; IT VE940054 A0 19941227; IT VE940054 A1 19960627

DOCDB simple family (application)
EP 95119473 A 19951211; AT 95119473 T 19951211; DE 69508374 T 19951211; ES 95119473 T 19951211; IT VE940054 A 19941227