

Title (en)

Lock with tamper-resistant elements and associated key

Title (de)

Schloss mit manipulationsgesicherten Teilen und zugehörigen Schlüssel

Title (fr)

Serrure avec des éléments inviolables et clé correspondante

Publication

EP 1582662 A1 20051005 (EN)

Application

EP 05100903 A 20050209

Priority

IT BO20040078 A 20040218

Abstract (en)

A lock (1) with tamper-resistant elements and associated key (1a), of the type that comprises a body (2), a receptacle (3), a cylinder (4) that can rotate in the receptacle (3), an actuation bit (5) that is rigidly coupled to the cylinder (4), a keyway (6) for the insertion of the key (1a), and a plurality of coding pins (8) and driver pins (9) that perform a radial translational motion. At least one of the coding pins (8) comprises a spindle (10) provided with a cylindrical head (11) and with a shank (12), which is likewise cylindrical and is provided with an end disk (13) whose diameter is comprised between the diameter of the shank (12) and the diameter of the head (11), the head (11) having a larger diameter than the shank (12), and by a cylindrical hollow pin (14), which has an outside diameter that is approximately equal to the diameter of the head (11) and a cylindrical internal cavity (15) whose diameter is approximately equal to the diameter of the disk (13) and is provided with a retention groove (16), the hollow pin (14) having a partially tapering tip (17).

IPC 1-7

E05B 15/14; **E05B 27/00**

IPC 8 full level

E05B 27/00 (2006.01)

CPC (source: EP)

E05B 27/0021 (2013.01); **E05B 27/006** (2013.01)

Citation (search report)

- [A] EP 0763639 A1 19970319 - KELLER ERNST [CH]
- [A] DE 633753 C 19360805 - ZEISS IKON AKT GES GOERZ WERK
- [A] EP 0899398 A1 19990303 - ISEO SERRATURE SPA [IT]
- [A] EP 1106756 A2 20010613 - ISEO SERRATURE SPA [IT]
- [A] DE 1122866 B 19620125 - VOSS KG J

Cited by

CN103850543A; DE102005000035A1; EP3093417A1; WO2018011828A1

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