

Title (en)

Casing, in particular for an electronic key

Title (de)

Gehäuse, insbesondere für einen elektronischen Schlüssel

Title (fr)

Boîtier, en particulier pour une clé électronique

Publication

EP 1750230 A2 20070207 (DE)

Application

EP 06014547 A 20060713

Priority

DE 102005033340 A 20050716

Abstract (en)

The first part (9a) of the casing (9a, 9b) contains individual functional components, e.g. electronics and a switch. The second part of the casing partly-surrounds the first, forming at least some of its visible surface area. The first part (9a) is a fully-functional container with a sealed interior holding all components. It is cup-shaped with an opening on one side. This is closed by a push-in section. The second part of the casing is a shell which snaps onto the first part. The second part has upper and lower shells with a cover. The catch comprises a groove and projection working together. The groove is on the upper and/or lower shell, the projection being on the first part of the casing. This also carries a fixing section with a corresponding fixing groove on the upper and/or lower shell. The upper and/or lower shell is hung in the fixing section by the groove, and then with the help of the catch it is positioned and interlocked. The upper and/or lower shells are overlapped and secured by the attached cover. The electronics are situated in the interior of the first part of the casing, on a circuit board. The push-in section is formed as a battery holder. A lip on the push-in section seals the interior of the casing. Preferably the push-in section is merely pre-fixed in the opening; on attachment of the cover, the push-in section and the upper and/or lower shells interlock together. Further mechanical details are elaborated. Hard and soft plastics are used in the construction. Manufacture is by two-component injection molding. Further details in accordance with the foregoing principles are provided.

IPC 8 full level

G07C 9/00 (2006.01)

CPC (source: EP)

G07C 9/00944 (2013.01); **E05B 19/0082** (2013.01); **G07C 2009/00952** (2013.01); **H01H 9/0214** (2013.01); **H01H 27/06** (2013.01)

Citation (applicant)

- DE 4340260 A1 19950406 - MARQUARDT GMBH [DE]
- DE 19915969 A1 19991104 - MARQUARDT GMBH [DE]
- US 2002175096 A1 20021128 - LINIHAN MICHAEL G [US]

Citation (third parties)

Third party :

DE 10229409 A1 20040129 - HELLA KG HUECK & CO [DE]

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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