

Title (en)

Padlock with a U-shaped lock casing

Title (de)

Vorhängeschloss mit einem U-förmigen Schlossgehäuse

Title (fr)

Cadenas avec un boîtier de serrure en forme de U

Publication

EP 1304434 A1 20030423 (EN)

Application

EP 01308848 A 20011018

Priority

EP 01308848 A 20011018

Abstract (en)

A padlock includes a U-shaped lock casing (200) having a core receiving space (21) that houses a lock core (43), a latch recess (31) that houses a rotatable latch member (40) connected to the lock core (43), and aligned first and second shackle insert holes (35,251). A shackle bar (24) extends into the first and second shackle insert holes (35,251). A catch member (50) is disposed slidably in the latch recess (31), and engages the latch member (40). The catch member (50) has a first end portion (51a) which extends into a slide channel (36) communicating the second shackle insert hole (35) with the latch recess (31), which projects into and engages the shackle bar (24) when the latch member (40) is disposed in the locking position, and which is retracted into the slide channel (36) for disengaging from the shackle bar (24) when the latch member (40) is disposed in the unlocking position. <IMAGE>

IPC 1-7

E05B 67/36; **E05B 67/24**

IPC 8 full level

E05B 67/36 (2006.01); **E05B 9/08** (2006.01); **E05B 67/24** (2006.01)

CPC (source: EP)

E05B 67/36 (2013.01); **E05B 9/084** (2013.01); **E05B 67/24** (2013.01)

Citation (search report)

- [XY] US 2104981 A 19380111 - FALK BERNARD S
- [YA] GB 1218128 A 19710106 - VIRO INNOCENTI SPA [IT]
- [YA] FR 953722 A 19491212
- [YA] EP 0964123 A1 19991215 - CHEN WATERSON [TW]
- [A] US 3820283 A 19740628 - ACERRA R, et al
- [A] US 5987939 A 19991123 - PITISETTAKARN THANYALUK [TH]
- [A] GB 550596 A 19430115 - YALE & TOWNE MFG CO

Cited by

CZ307179B6; RU2766460C1; CN109930918A; CN112539004A

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