Title (en)
Padlock

Title (de)
Vorhängeschloss

Title (fr)
Cadenas

Publication
EP 0971087 A1 20000112 (EN)

Application
EP 98305394 A 19980707

Priority
EP 98305394 A 19980707

Abstract (en)
A padlock includes a lock base (20) formed with first and second shackle insert holes (22, 21), a lock receiving space (23) which is disposed between the shackle insert holes (22, 21) and which has an upper section communicated with the second shackle insert hole (21), and a ball chamber (24) which extends transversely between the first shackle insert hole (22) and the lock receiving space (23). A lock device (50) is received in the lock receiving space (23), and has a key-operated lock core (51) which is provided with a plunger (53). A locking unit (28) includes at least one ball member (280) rollingly disposed in the ball chamber (24) adjacent to the plunger (53). A shackle (30) has longer and shorter leg portions (32, 34) to be received in the shackle insert holes (22, 21), respectively. The shorter leg portion (34) is formed with a plunger engaging groove (35) for engaging a latch projection (52) on the plunger (53). The longer leg portion (32) is formed with a ball retaining groove (35) for engaging the locking unit (28). A biasing spring (31) is disposed in the first shackle insert hole (22) for biasing the longer leg portion (32) upwardly. <IMAGE>

IPC 1-7 (main, further and additional classification)
E05B 67/24; E05B 9/08

IPC 8 full level (invention and additional information)
E05B 67/24 (2006.01); E05B 9/08 (2006.01)

CPC (invention and additional information)
E05B 67/24 (2013.01); E05B 9/084 (2013.01)

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Designated contracting state (EPC)
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