

Title (en)

CHANGEABLE ROTARY COMBINATION SHACKLE LOCK.

Title (de)

VORHÄNGESCHLOSS MIT AUSWECHSELBARER ROTIERENDER KOMBINATION.

Title (fr)

CADENAS A ANSE A COMBINAISON ROTATIVE CHANGEABLE.

Publication

EP 0465638 B1 19950621 (EN)

Application

EP 91904434 A 19910130

Priority

- US 9100634 W 19910130
- US 47269390 A 19900131

Abstract (en)

[origin: WO9111580A1] A shackle leg changeable combination lock including clutches and combination wheels slidable to position therein for positive engagement in which the combination wheels are axially restrained in position by a removable cap held by a detent means. The cap is removable when a shackle leg is moved upwardly to an unlock position and the cap detent means is overcome by application of force.

IPC 1-7

E05B 37/06

IPC 8 full level

E05B 37/02 (2006.01); **E05B 37/06** (2006.01)

CPC (source: EP KR)

E05B 37/025 (2013.01 - EP); **E05B 37/04** (2013.01 - KR)

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 9111580 A1 19910808; AU 642982 B2 19931104; AU 7317491 A 19910821; CA 2047676 A1 19910801; CN 1054468 A 19910911; DE 69110556 D1 19950727; DE 69110556 T2 19960118; EP 0465638 A1 19920115; EP 0465638 A4 19920701; EP 0465638 B1 19950621; ES 2073741 T3 19950816; JP H04504602 A 19920813; KR 920701602 A 19920812

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US 9100634 W 19910130; AU 7317491 A 19910130; CA 2047676 A 19910130; CN 91101107 A 19910131; DE 69110556 T 19910130; EP 91904434 A 19910130; ES 91904434 T 19910130; JP 50488591 A 19910130; KR 910701179 A 19910924