Title (en)
SAFETY-BELT LOCK FOR BELT-RETENTION SYSTEMS.

Title (de)
GURTSCHLOSS FÜR GURT-RÜCKHALTESYSTEME.

Title (fr)
BOUCLE DE CEINTURE POUR SYSTEMES DE RETENUE DE CEINTURE.

Publication
EP 0464174 B1 19940504

Application
EP 91902604 A 19910122

Priority
- DE 4002064 A 19900125
- DE 9100068 W 19910122

Abstract (en)
[origin: WO9111125A1] The belt lock described comprises a closure mechanism and at least one belt end (2) which can be inserted into the mechanism, the belt end having a tongue (4) designed to lock with the mechanism. The mechanism has a metal frame (7), a locking element (8) mounted in apertures (18) in the sides of the frame, an ejector (9) for the tongue, a locking-element support (10) and a belt-release button (11). In order to simplify the belt lock, reduce its manufacturing costs and increase its reliability, the locking element (8) is designed as a plate with a rear-located aperture (28), and the apertures (18) in the sides of the metal frame are designed as slots in which the locking element (8) can be mounted. The slots extend parallel to the direction of motion of the tongue (4) in the frame (7) and their size is such that the pins (19) of the locking element (8) are guided to move in the direction of motion of the tongue (4) substantially without any play at right angles to this direction. The web part (22) of the frame (7) has a stop (24) which defines the stop location of the locking element (8), and the locking-element support (10) is located behind the locking element and above the ejector (9) and can move at least substantially parallel to the direction of motion of the ejector (9).

IPC 1-7
A44B 11/25

IPC 8 full level
A44B 11/25 (2006.01)

CPC (source: EP US)
A44B 11/2523 (2013.01 - EP US); Y10T 24/45623 (2015.01 - EP US); Y10T 24/45665 (2015.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9111125 A1 19910808; AT E105152 T1 19940515; AU 638105 B2 19930617; AU 7177091 A 19910821; DE 4002064 A1 19910801; DE 59101546 D1 19940609; DK 0464174 T3 19940919; EP 0464174 A1 19920108; EP 0464174 B1 19940504; ES 2057860 T3 19941016; JP H04504522 A 19920813; US 5165150 A 19921124

DOCDB simple family (application)
DE 9100068 W 19910122; AT 91902604 T 19910122; AU 7177091 A 19910122; DE 4002064 A 19900125; DE 59101546 T 19910122; DK 91902604 T 19910122; EP 91902604 A 19910122; ES 91902604 T 19910122; JP 50259591 A 19910122; US 76193091 A 19910916