

Title (en)

Safety belt buckle.

Title (de)

Verschluss für Sicherheitsgurte.

Title (fr)

Boucle pour ceinture de sécurité.

Publication

EP 0681792 A3 19970122 (DE)

Application

EP 95106078 A 19950424

Priority

DE 4416301 A 19940509

Abstract (en)

[origin: EP0681792A2] the closure comprises a load bearing frame (14) on which an insertion path for an insert tongue (10) is formed. A securing cam (16) is slidably fitted transverse to the insertion path. A release key (26) is slidably fitted on the frame and engages on the securing cam during operation and moves it in a guide (24) transverse to the insertion path. A bolt (32) is slidably fitted parallel to the operating direction of the release key and is loaded by a spring (36) in a rest position. The bolt responds to acceleration in the operating direction of the release key and is movable by its mass inertia into a blocking position in which it extends into the guide (24) of the securing cam and blocks it in its closure position. <IMAGE>

IPC 1-7

A44B 11/25

IPC 8 full level

A44B 11/14 (2006.01); **A44B 11/25** (2006.01); **B60R 22/12** (2006.01); **B60R 22/18** (2006.01); **B60R 22/46** (2006.01)

CPC (source: EP US)

A44B 11/2523 (2013.01 - EP US); **Y10T 24/45623** (2015.01 - EP US); **Y10T 24/4567** (2015.01 - EP US)

Citation (search report)

- [A] DE 4027684 A1 19920305 - TRW REPA GMBH [DE]
- [A] GB 2148380 A 19850530 - TRW REPA GMBH
- [DA] DE 4215563 A1 19931118 - TRW REPA GMBH [DE]
- [A] US 4065836 A 19780103 - STEPHENSON ROBERT L

Cited by

US6363591B1; GB2322158A; GB2322158B; WO9907243A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0681792 A2 19951115; EP 0681792 A3 19970122; CZ 116895 A3 19951213; CZ 281272 B6 19960717; DE 4416301 A1 19951116; ES 2088843 T1 19961001; JP 2726017 B2 19980311; JP H0847408 A 19960220; US 5596795 A 19970128

DOCDB simple family (application)

EP 95106078 A 19950424; CZ 116895 A 19950505; DE 4416301 A 19940509; ES 95106078 T 19950424; JP 10971795 A 19950508; US 42857695 A 19950425