

Title (en)
Buckle for vehicle safety belt.

Title (de)
Schloss für Fahrzeug-Sicherheitsgurtsysteme.

Title (fr)
Fermeture pour ceintures de sécurité de véhicules.

Publication
EP 0569886 B1 19950927 (DE)

Application
EP 93107481 A 19930507

Priority
DE 4215563 A 19920512

Abstract (en)
[origin: JPH0622803A] PURPOSE: To provide a buckle for a vehicle safety belt system having a lock mechanism controlled by inertia, and which can be readily integrated with an existing buckle, providing a high safety limit and dispensing with a playing stroke of a release button. CONSTITUTION: This buckle for a safety belt device provided with a preliminary tension device engages with the preliminary tension device and is prevented by a lock claw 42 from opening contrary to an intention at the beginning and ending of a preliminary tension stroke. At the beginning of the preliminary tension stroke, an inertial field 56 moves the lock claw 42 to a lock position by a mass inertial effect and prevents a release button 30 from moving in the preliminary tension direction R relative to a base. Since the center of gravity C explores a predetermined relative position with respect to the position 44 of the device of the lock claw 42, the lock claw 42 stays at the lock position at the end of the preliminary tension stroke and comes off the inertial field 56.

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A44B 11/25

IPC 8 full level
A44B 11/00 (2006.01); **A44B 11/14** (2006.01); **A44B 11/25** (2006.01); **B60R 22/00** (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 24/45665** (2015.01 - EP US)

Cited by
US5742987A; WO9810673A1

Designated contracting state (EPC)
DE ES FR GB IT SE

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EP 0569886 A1 19931118; **EP 0569886 B1 19950927**; CN 1080143 A 19940105; CZ 279210 B6 19950118; CZ 86993 A3 19931117; DE 4215563 A1 19931118; DE 59300656 D1 19951102; ES 2044827 T1 19940116; ES 2044827 T3 19960316; HU 210415 B 19950428; HU 9301376 D0 19930928; HU T66228 A 19941028; JP 2500254 B2 19960529; JP H0622803 A 19940201; PL 171203 B1 19970328; PL 298889 A1 19931227; RU 2071713 C1 19970120; US 5309611 A 19940510

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