

Title (en)
SAFETY BELT BUCKLE

Title (de)
VERSCHLUSS FÜR SICHERHEITSGURTE

Title (fr)
SYSTEME DE VERROUILLAGE POUR CEINTURE DE SECURITE

Publication
EP 0721304 B1 20000913 (DE)

Application
EP 95927723 A 19950725

Priority
• DE 4427011 A 19940729
• EP 9502945 W 19950725

Abstract (en)
[origin: DE4427011A1] Simple measures prevent a safety belt buckle based on the proven twist lock design from being affected by tensioning of the belt. The twist lock (16) is secured in its closed position by a locking plate (20). The locking plate (20) is in turn secured by two locking balls (36) held between a trough (28) in the locking plate and a blocking plate (30) movable in the parallel direction to the locking plate. In order to open the buckle, this blocking plate (30) must first be actuated by means of a mass-compensated system. This buckle is secured against extremely high accelerations in all directions.

IPC 1-7
A44B 11/25

IPC 8 full level
A44B 11/25 (2006.01)

CPC (source: EP KR US)
A44B 11/25 (2013.01 - KR); **A44B 11/2523** (2013.01 - EP US); **Y10T 24/45644** (2015.01 - EP US); **Y10T 24/45665** (2015.01 - EP US); **Y10T 24/4567** (2015.01 - EP US)

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

DOCDB simple family (publication)
DE 4427011 A1 19960201; CN 1131381 A 19960918; CZ 92196 A3 19960911; DE 59508715 D1 20001019; EP 0721304 A1 19960717; EP 0721304 B1 20000913; ES 2093588 T1 19970101; ES 2093588 T3 20010116; JP 2823360 B2 19981111; JP H08509902 A 19961022; KR 0180713 B1 19990201; KR 960704477 A 19961009; PL 313705 A1 19960722; US 5915633 A 19990629; WO 9603896 A1 19960215

DOCDB simple family (application)
DE 4427011 A 19940729; CN 95190695 A 19950725; CZ 92196 A 19950725; DE 59508715 T 19950725; EP 9502945 W 19950725; EP 95927723 A 19950725; ES 95927723 T 19950725; JP 50616196 A 19950725; KR 19960701628 A 19960329; PL 31370595 A 19950725; US 87084997 A 19970606