

Title (en)

Device for protecting the human body against blows

Title (de)

Vorrichtung zum Schutz des menschlichen Körpers vor Stößen

Title (fr)

Dispositif de protection du corps humain contre des coups

Publication

EP 0937484 A3 19991201 (DE)

Application

EP 99890011 A 19990121

Priority

AT 30098 A 19980219

Abstract (en)

[origin: EP0937484A2] The shock absorber has a flexible outer case (1) with a fixed air-permeability and contains at least one air-filled foam body (4a,b,c). The interior of the outer case has several compartments (2a,b,c), at least one of which (2b) has a convexly circular cross-section, when no pressure is applied. The air-filled foam body separates adjacent compartments. The convex compartment is cylindrical with outward-curved semi-spherical caps on both ends. A pressure-distribution plate (6) is positioned in part of the outer case and covers at least one of the convex compartments. A seat-shell (16) is on the side of the outer case facing the body.

IPC 1-7

A63B 71/08

IPC 8 full level

A41D 13/015 (2006.01); **A63B 71/16** (2006.01); **A63B 71/08** (2006.01)

CPC (source: EP)

A41D 13/015 (2013.01); **A63B 71/08** (2013.01)

Citation (search report)

- [X] DE 2164472 A1 19730628 - RITTER JUN OTTO
- [X] GB 1503483 A 19780308 - BOTHWELL P
- [X] US 3945042 A 19760323 - LOBO ALFRED D
- [A] US 4991230 A 19910212 - VACANTI EUGENE J [US]
- [A] GB 2134370 A 19840815 - TSAN SHENG LIU, et al
- [AD] FR 2676178 A1 19921113 - CHEVALIER NICOLAS [FR], et al
- [AD] AT 397950 B 19940825 - HINTNER HELMUT [AT]

Cited by

CN112619115A; FR2873350A1; EP1985491A3

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