

Title (en)
Protective element for the body

Title (de)
Körperschutzelement

Title (fr)
Élément de protection du corps

Publication
EP 0836811 A3 19990224 (DE)

Application
EP 97118157 A 19971020

Priority
DE 19643087 A 19961018

Abstract (en)
[origin: EP0836811A2] The protective component (23) of the protection device (20) has an accommodation casing (24) which is filled with a filling material consisting of form bodies (25). The relative movement of the form bodies is defined by a peripheral pressure acting through the accommodation casing and the form bodies locate under tension on one another under, forming a shape-holding form body union (35). The accommodation casing is elastically formed and may be evacuated. The form bodies may be mostly plastic or elastic and the accommodation casing may be provided with a support structure, which is arranged in its interior. A division of the accommodation casing into several chambers may be provided, of which at least one has a form body filling. The chambers communicate with each other at least partly.

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IPC 8 full level
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Citation (search report)

- [Y] US 3762404 A 19731002 - SAKITA T
- [Y] US 3995320 A 19761207 - ZAFUTO SAMUEL L
- [Y] WO 9311678 A1 19930624 - DOETTLING DOROTHEE [DE]
- [PY] US 5575008 A 19961119 - MCBRIDE ROBERT L [US], et al
- [Y] US 4905320 A 19900306 - SQUYERS JR THOMAS L [US]
- [A] US 4777076 A 19881011 - JANSSON EINAR K [SE]
- [A] DE 3937648 C1 19910516

Cited by
WO2021214722A1; AT405789B; EP1025767A3; EP2426046A1; EP2426047A3; EP3900556A1; EP0937484A2; WO2012114300A1; US11737502B2

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