

Title (en)  
WEARABLE PROTECTION DEVICE

Title (de)  
TRAGBARES SCHUTZGERÄT

Title (fr)  
DISPOSITIF DE PROTECTION PORTABLE

Publication  
**EP 4327685 A1 20240228 (EN)**

Application  
**EP 23189815 A 20230804**

Priority  
IT 202200017448 A 20220822

Abstract (en)  
The present disclosure relates to a wearable protection device (10) comprising at least one inflatable element (12), a gas generator (12) and a coupling device (16) for coupling the gas generator (14) to the inflatable element (12). The coupling device (16) includes a coupling element (18) associated with the gas generator (14) and a coupling counter-element (20) associated with the inflatable element (12). The wearable protection device (10) comprises a support device (30) defining a receiving seat (32) for receiving the gas generator (14) and the coupling device (16), and the inflatable element (12) includes at least one primary portion (22) of the inflatable element (14) and a secondary portion (24) of the inflatable element (12) connected as one piece with the primary portion (22) and provided with said coupling counter-element (20). The support device (30) is at least partially superimposed on the primary portion (22) of the inflatable element (12) so as to form a multilayer structure and the secondary portion (24) protrudes with respect to said support device (30) and the secondary portion (24) of the inflatable element (12) is in the folded or overturned condition, or folding or overturning condition, with respect to said primary portion (22) of the inflatable element (12). The folding or overturning condition corresponds to a condition where said inflatable element (12) and said receiving seat (32) are connected together.

IPC 8 full level  
**A41D 13/018** (2006.01)

CPC (source: EP)  
**A41D 13/018** (2013.01)

Citation (applicant)  
• WO 2009055512 A2 20090430 - SCRIPPS RESEARCH INST [US], et al  
• IT 2009000547 W 20091204

Citation (search report)  
• [A] KR 20120102434 A 20120918 - RYU SIL GUN [KR]  
• [A] IT RM20080657 A1 20100610 - DAINESE SPA

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4327685 A1 20240228**; IT 202200017448 A1 20240222

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