

Title (en)  
WEARABLE PROTECTION DEVICE

Title (de)  
TRAGBARE SCHUTZVORRICHTUNG

Title (fr)  
DISPOSITIF DE PROTECTION POUVANT ÊTRE PORTÉ

Publication  
**EP 3167730 A1 20170517 (EN)**

Application  
**EP 16198269 A 20161110**

Priority  
IT UB20155497 A 20151111

Abstract (en)  
A protection device (1, 100) for the personal protection of a user is described. The protection device comprises an inflatable element (2, 102), inside which an inner chamber (3, 104) is defined, and a plurality of tie-members (5) distributed inside the inner chamber (3, 104). The inflatable element (2, 102) is adapted to assume an inflated active condition and a deflated rest condition. The inflatable element (2, 102) includes a first wall (15) and a second wall (16) situated opposite each other and connected along a perimeter so as to define said inner chamber (3, 104), a first mesh (18, 103a) which at least partly internally lines said first wall (15), and a second mesh (19, 103b) which at least partly internally lines said second wall (16). The tie-members (5) have opposite ends (5a, 5b) fixed respectively to said first mesh (18, 103a) and to said second mesh (19, 103b), each of said first wall and said second wall (15, 16) including at least one layer consisting of, including or made of TPU or thermoplastic polyurethane.

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

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

Citation (applicant)  
WO 2010067288 A1 20100617 - DAINESE SPA [IT], et al

Citation (search report)  
• [YD] WO 2010067288 A1 20100617 - DAINESE SPA [IT], et al  
• [Y] US 6630220 B1 20031007 - VEIGA MANUEL J [US]  
• [A] US 2002022420 A1 20020221 - VEIGA MANUEL J [US], et al

Cited by  
EP3434123A1; EP3718751A1; IT201700084843A1; EP3795019A1; IT201900016547A1; US11801435B2; EP3417730A1; EP3498117A1; EP3795020A1; IT201900016553A1; EP3918935A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3167730 A1 20170517; EP 3167730 B1 20190109; EP 3167730 B2 20211117**; ES 2724427 T3 20190910; ES 2724427 T5 20220325; IT UB20155497 A1 20170511

DOCDB simple family (application)  
**EP 16198269 A 20161110**; ES 16198269 T 20161110; IT UB20155497 A 20151111