

Title (en)
WEARABLE PROTECTION DEVICE

Title (de)
TRAGBARE SCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION POUVANT ÊTRE PORTÉ

Publication
EP 3167730 B1 20190109 (EN)

Application
EP 16198269 A 20161110

Priority
IT UB20155497 A 20151111

Abstract (en)
[origin: EP3167730A1] 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 (opposition)
Opponent : Alpinestars SPA
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• US 5685347 A 19971111 - GRAHAM RAYMOND [GB], et al
• US 2002140218 A1 20021003 - BEASLEY ALONZO W [US]
• US 2007015425 A1 20070118 - HILL BRUCE R [US], et al
• WO 2007022147 A2 20070222 - SAFETY COMPONENTS FABRIC TECHN [US], et al
• IT VR20090211 A1 20110605 - DAINESE SPA
• JP 2012031535 A 20120216 - SEIREN CO LTD
• US 2006242746 A1 20061102 - HASHASH AHMAD A [KW]
• EP 2373190 B1 20120530 - DAINESE SPA [IT]
• GB 2304738 A 19970326 - GEN MOTORS CORP [US]
• US 7131664 B1 20061107 - PANG HYUNSOK [US], et al
• WO 0218180 A2 20020307 - MILLIKEN & CO [US]

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

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