

Title (en)
MODULAR PERSONAL PROTECTION DEVICE FOR THE PROTECTION OF THE FACE AND ADJACENT PARTS

Title (de)
MODULARES PERSONENSCHUTZGERÄT ZUM SCHUTZ DES GESICHTS UND ANGRENZENDER TEILE

Title (fr)
DISPOSITIF DE PROTECTION INDIVIDUELLE MODULAIRE POUR LA PROTECTION DU VISAGE ET DES PARTIES ADJACENTES

Publication
EP 3626098 A1 20200325 (EN)

Application
EP 19425065 A 20190913

Priority
IT 201800008716 A 20180919

Abstract (en)
Modular personal protection device (PPE) designed to protect the face, including eventually its side parts, ears, throat and eyes from the impact with bodies having energy and dimension greater than those tolerable by traditional PPE or from the impact of smaller energy/size bodies and from optical, thermal and chemical risks. The device includes- a three-dimensional element consisting of meshes (1, 2) having sides/dimensions of length greater than or equal to 0.5cm, minimum surface area of 0.25cm² and maximum density of 4 meshes/cm² equipped with padding (4), intended for impact protection with bodies having a certain energy and size, typically greater than 0.5cm;- eventually transparent screens and/or dense mesh grids, to extend the protection, if necessary, even with respect to bodies of smaller dimensions and chemical, thermal and optical risks;- sufficiently large dimensions so as to allow the protection also of the lateral parts, of the throat, of the ears and of the eyes, or smaller dimensions if the areas to be protected are smaller;- wide device configuration so as to allow the use of devices such as glasses, filtered masks, headphones, etc. at the same time;- automatic opening/closing device.

IPC 8 full level
A42B 3/20 (2006.01)

CPC (source: EP)
A42B 3/20 (2013.01)

Citation (applicant)
• DE 29708134 U1 19970814 - HARTFIEL TRAUDEL [DE]
• US 2801420 A 19570806 - MALCOM JR ROBERT
• US 4222123 A 19800916 - HELLBERG ARNE
• CA 2193004 A1 19980616 - OUELLET JEAN [CA]
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Citation (search report)
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• [A] CA 2193004 A1 19980616 - OUELLET JEAN [CA]
• [A] US 5206955 A 19930504 - MILLIGAN NORMAN O [US]
• [A] US 6189156 B1 20010220 - LOIARS JOHN T [US]
• [A] CN 205390472 U 20160727 - STATE PRESS AND PUBLICATION ADMINISTRATION OF RADIO BROADCASTING SOUTHEAST MAINTENANCE CENTER

Cited by
SE2151404A1; US2022354204A1; US11986041B2; WO2023091072A1

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Designated extension state (EPC)
BA ME

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