

Title (en)

Shock-absorbing facemask attachment assembly

Title (de)

Stoßdämpfendes Zusatzteil für eine Gesichtsmaske

Title (fr)

Ensemble de fixation de masque facial d'absorption de chocs

Publication

EP 2223619 A3 20110119 (EN)

Application

EP 10003907 A 20070713

Priority

- EP 07013813 A 20070713
- US 64969607 A 20070105

Abstract (en)

[origin: EP1941807A1] A facemask coupled to a sports helmet such that it will absorb a very high percentage of the impact energy from a ball or other oncoming force. The shock-absorbing facemask attachment assembly includes a housing attached to a helmet. An insert may be coupled to the facemask and the housing such that the insert is pushed further into the housing in response to an applied force. Alternatively, one or more springs may be coupled to the facemask and the housing such that the springs are compressed further toward the housing in response to an applied force. As another alternative, a spring assembly may include at least one spring coupled to the helmet and the housing and at least one spring coupled to the facemask and the housing.

IPC 8 full level

A42B 3/20 (2006.01)

CPC (source: EP US)

A42B 3/20 (2013.01 - EP US)

Citation (search report)

- [X] US 3900897 A 19750826 - DUNNING FRED R
- [A] US 4028743 A 19770614 - CHRISTENSEN CAI V
- [A] US 5675875 A 19971014 - SERVATIUS RICHARD JAMES [US]
- [A] US 4370759 A 19830201 - ZIDE ROBERT
- [A] US 2004025231 A1 20040212 - IDE THAD M [US], et al
- [A] US 5095552 A 19920317 - PARKINSON LEE J [US]

Cited by

US10881162B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1941807 A1 20080709; EP 1941807 B1 20100602; DE 602007006898 D1 20100715; EP 2223619 A2 20100901; EP 2223619 A3 20110119; EP 2223619 B1 20121024; JP 2008173465 A 20080731; US 2008163410 A1 20080710

DOCDB simple family (application)

EP 07013813 A 20070713; DE 602007006898 T 20070713; EP 10003907 A 20070713; JP 2007327820 A 20071219; US 64969607 A 20070105