

Title (en)  
Impact absorbing device

Title (de)  
STOSSAUFNEHMENDE EINRICHTUNG

Title (fr)  
DISPOSITIF ABSORBEUR DE CHOCS

Publication  
**EP 1285860 A3 20040714 (EN)**

Application  
**EP 02018128 A 20020814**

Priority  
• CA 2398318 A 20020815  
• US 92836201 A 20010814

Abstract (en)  
[origin: EP1285860A2] Impact absorbing device (1) of the type made up of pneumatic chambers (1,2) designed to protect fragile elements (7) such as calculators, electronic plates (circuits), measuring instruments, remote controls and a the similar ones. It consist of a first impact absorbing chamber (2) at the bottom and a top flexible cover (3) which rests on the mentioned first chamber (2). The chambers (1,2) can be inflated through an entrance valve (4) for exterior air, carbon dioxide gas, or gases generated through a chemical reaction produced by reacting elements contained inside the first chamber (2). The top flexible cover (3) can have a Velcro TM type clasp or similar. It gets a perfect filling and therefore the pressure of the mentioned chambers (1,2) on the protected element (7) due to the fact that the hole or perforation for the gas to go into the second chamber is placed on the opposite side to the ingoing perforation of the first chamber (2) or, correspondingly, from the place where the gases are generated; which will fill the impact absorbing chambers (1,2). <IMAGE>

IPC 1-7  
**B65D 81/05**; B65D 81/03; H01H 9/02

IPC 8 full level  
**B65D 81/05** (2006.01); H01H 9/02 (2006.01)

CPC (source: EP US)  
**B65D 81/052** (2013.01 - EP US); H01H 9/0242 (2013.01 - EP US); H01H 2223/062 (2013.01 - EP US)

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**EP 1285860 A2 20030226**; **EP 1285860 A3 20040714**; CA 2398318 A1 20040215; US 2003034270 A1 20030220

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