

Title (en)
SAFETY DEVICE AND ADAPTER THEREFOR

Title (de)
SICHERHEITSVORRICHTUNG UND ADAPTER DAFÜR

Title (fr)
DISPOSITIF DE SÉCURITÉ ET ADAPTATEUR ASSOCIÉ

Publication
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Application
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• AU 2013903719 A 20130926
• AU 2014000033 W 20140121

Abstract (en)
[origin: WO2014110631A1] In a first aspect the invention concerns a safety device (604). The safety device comprises an inflating product container (606) to hold inflating product. The inflating product container is operatively associated with an inflatable bladder to be worn by a user. The inflating product container is adapted to be placed in an open condition in which open condition inflating product is allowed to inflate the inflatable bladder. The safety device further includes an adapter (612) to provide fluid communication between the inflating product container and the inflatable bladder. The adapter including (i) a container coupling formation adapted to secure the adapter to the inflating product container and (ii) an actuator operatively adapted to place the inflating product container in the open condition. The safety device further includes a controller (48) operatively associated with the actuator. The controller includes a sensor assembly so that in use the controller is adapted to generate an activation signal responsive to measurements taken by the sensor assembly. The actuator is operatively adapted to place the inflating product container in the open condition responsive to the controller generating the activation signal.

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B63C 9/19 (2013.01 - EP US); **B63C 2009/0029** (2013.01 - EP US); **B63C 2009/0047** (2013.01 - US)

Citation (search report)
• [X] US 3077288 A 19630212 - HENRY GILBERT A
• [X] US 3910457 A 19751007 - SUTLIFF RODERICK W, et al
• [X] US 5026310 A 19910625 - MACKAL GLENN H [US], et al
• [X] US 5311394 A 19940510 - NAAB CARLTON W [US], et al
• [X] US 6254447 B1 20010703 - NIEMANN WOLFGANG [DE]
• [A] US 2008038970 A1 20080214 - ISBERG ERIK [SE], et al
• [A] US 4687451 A 19870818 - CHEN TSUNG H [TW]
• See references of WO 2014110631A1

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