

Title (en)
Fall arrest harness

Title (de)
Absturzsicherungsgurt

Title (fr)
Harnais anti-chute

Publication
EP 2724752 A2 20140430 (EN)

Application
EP 13190838 A 20061211

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Abstract (en)
The present invention relates to a fall arrest harness for persons working at height, and in particular a fall arrest harness for reducing the risk of suspension trauma. The fall arrest harness comprises a pair of leg straps (12,13) for encircling the thighs of a wearer, a first and a second shoulder strap (5,4), a lanyard connection member (18) separately connected to the shoulder straps via one or more extension straps (16,17), and a rear section that extends between the leg straps and the shoulder straps. The rear section has a seat portion (2) and a back portion (3). The first and second shoulder straps extend from, respectively, left and right side regions of the seat portion (2) and over left and right shoulders to an upper region of the back portion (3). The lanyard connection member (18) is releasably attachable to the back portion (3) at a dorsal position by releasable securing means (21,22) and is detached from the back portion (3) when a tensile force applied to the lanyard connection member (18) exceeds a predetermined threshold. In the event of a fall the lanyard connection member (18) separates from the back portion, causing the one or more extension straps (16,17) and the lanyard connection member (18) to move automatically to a sternal suspension position to suspend the wearer from both shoulder straps in a supine position with the weight of the wearer being borne by the seat portion (2) and the back portion (3) of the rear section and being transferred to the lanyard connection member (18) via both shoulder straps and the one or more extension straps (16,17) with none of the weight being transferred by the leg straps.

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Citation (applicant)
EP 0508278 A1 19921014 - MANFRED MECKEL SICHERHEITSSYST [DE]

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CN107238455A; CN110214040A; CN110740789A; KR20200028393A; JP2020523066A; US10702723B2; US11191325B2; US11660476B2; US11974639B2; WO2018111623A1; WO2018227226A1; US10799731B2

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