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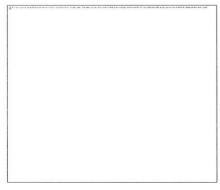
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(57) Abstract:

The present invention discloses a sensor based inflatable device (100). The device (100) includes a control board that has an electronic ircuit (162) and at least one sensor (131) for sensing the fall condition by calculating a linear velocity and an angular velocity in three axial acceleration and angle of inclination of body posture. The device (100) includes a safety inflatable belt (150) that a user may wear around his body. The inflatable belt (150) opens and protects the user against the impact during a fall. FIG. 3 for publication



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