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(71)Name of Applicant :

1)MGMIHSAddress of Applicant :MGM Educational Campus, Sector 1,
Kamothe, Navi Mumbai - 410209, Maharashtra India**2)MGMCET**

(72)Name of Inventor :

1)V. K. Suri**2)Santosh Narayan Khedkar****3)Indra Vijay Singh****4)Nakka Muralidhara Rao****5)Yogesh Patil****6)Sudhirchandra Kadam****7)Mansee Thakur**

(57) Abstract :

The present invention discloses a sensor based inflatable device (100). The device (100) includes a control board that has an electronic circuit (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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(Signature)
 Director
 MGM School of Biomedical Science
 Kamothe, Navi Mumbai