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(71)Name of Applicant :

1)Noida Institute of Engineering and Technology, Greater Noida

Address of Applicant :Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Apoorva Joshi

Address of Applicant :Master of Computer Applications, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

2)Anurag Jha

Address of Applicant :Department of Mechanical Engineering, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

(57) Abstract :

An adjustable work-based seating device comprising, an inflatable body 1 integrated with a strap 2 that is accessed by a user for fastening body 1 over user's waist portion, an artificial intelligence-based imaging unit 3 to determine user's posture while performing a work, an air inflating unit 4 linked with body 1 for inflating body 1 in a manner to allow user to comfortably sit over body 1 by maintaining posture, a meshed patch is fabricated on body 1 by means of multiple telescopically operated links that are actuated by microcontroller to extend for creating a gap between body 1 and path to allow user to store user's stuff within patch, a speaker 6 integrated on body 1 to produce audio notification regarding presence of sharp object within patch to alert user to carefully sit over bag for preventing any discomfort for user while sitting on body 1.

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