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(57) Abstract :

The proposed disclosure provides a system 100 for quantifying movements of a subject. The system 100 is configured to be a wearable device, and comprises first sensors 102, second sensors 104, and a processing unit 106, where the first sensors 102 and the second sensors 104 sense first parameters and second parameters, respectively, associated with the subject. The processing unit 106, based on the sensed first parameters and second parameters, quantifies a variance associated with movement of the subject, and correspondingly generate a set of alert signals when the quantified variance is beyond a pre-defined range. The system comprises an input device 108 to receive a set of input signals, and determine a pattern associated, and correspondingly generate a set of status signals.

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