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(57) Abstract :
Title: SMARTWATCH WITH SOLAR RADIATIONS TRAPPING CAPABILITIES ABSTRACT A wearable electronic watch (100) with solar radiation trapping capabilities. The electronic watch (100) comprising a body (102), the body (102) comprises a plurality of sensors (104a-104n) configured to sense health parameters as well as physical parameters; a location detector (106) configured to detect real-time location of the user at a regular interval; a display (110) configured to receive input and display an output associated with it; a strap (104) connected to the body (102) and shaped to be worn on users wrist; a plurality of photovoltaic cells (118) disposed upon straps (104), wherein the photovoltaic cells (118) are configured to trap solar radiations and convert it into electrical energy; and a battery (112) housed within the body (102) and is configured to be charged with the electrical energy from at least one of the photovoltaic cells (118). Figure 1 is selected.

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