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(71)Name of Applicant :

1)Chitkara University

Address of Applicant :Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan -----

2)Chitkara Innovation Incubator Foundation

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)NARAYAN, Aditya

Address of Applicant :Student, Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan -----

2)RINKU

Address of Applicant :Assistant Professor, Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan ---

(57) Abstract :

The present disclosure provides a health monitoring device (100) adapted to be worn on a wrist of a wearer. The proposed device is configured to detect the wearer's physiological characteristics, hydration level, and skin condition. Also, enables entities (i.e. family members) to track the wearer's location in the event of an emergency. Additionally, one or more first sensors (102) are configured to detect one or more health attributes of the subject, one or more second sensors (104) are configured to detect one or more skin conditions of the subject, one or more third sensors (106) are configured to detect ion concentration in a fluid, i.e. the subject's sweat, and a controller (108) configured to analyse information received from each of the sensors and transmit information to one or more output units (110).

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