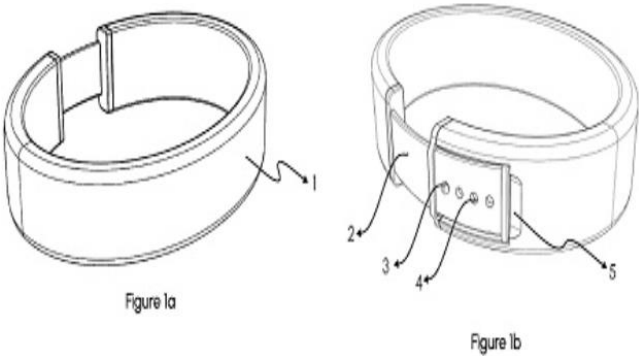


(54) Title of the invention : SWEAT-BASED WEARABLE HEALTH MONITORING SYSTEM

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(57) Abstract :
ABSTRACT SWEAT-BASED WEARABLE HEALTH MONITORING SYSTEM The present invention provides a wearable health monitoring device 1 comprising a flexible band 13, a sweat collection unit 25 integrated into the flexible band 13, a plurality of biosensors 12 in fluid communication with the sweat collection unit 25 to detect multiple physiological biomarkers in collected sweat, an energy harvesting unit 17 to generate power for the device 1, a data processing and wireless communication module 11 operatively connected to the biosensors 12 and configured to process data from the biosensors 12, and transmit processed data to a remote device, a flexible electronic circuits 24 integrated into the flexible band 13, and data processing unit 11. Figure 1



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