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(57) Abstract :

The present invention relates to a personal protective equipment (PPE) (100) to be worn by a subject to provide comfort to the subject with an optimum filtered air circulation facility inside the PPE (100) to keep body of the subject free from sweating and heat. The proposed PPE (100) having a cooling unit (104) with a filtration unit (106) to receive the filtered air inside. Additionally, sensors (112) attached to PPE (100) to detect physiological parameters of the subject, and correspondingly display information on a display device (116) attached to the PPE (100). Also, the physiological parameters area analysed and upon detection of any of the physiological parameters beyond a pre-defined range notifying a higher authority.

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