

Title (en)
SYSTEMS AND METHODS FOR REAL-TIME PHYSIOLOGICAL MONITORING

Title (de)
SYSTEME UND VERFAHREN FÜR DIE PHYSIOLOGISCHE ECHTZEITÜBERWACHUNG

Title (fr)
SYSTEMES ET PROCEDES DE MONITORAGE PHYSIOLOGIQUE EN TEMPS REEL

Publication
EP 1773185 A4 20090819 (EN)

Application
EP 05761157 A 20050617

Priority
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Abstract (en)
[origin: WO2006009830A2] The present invention provides systems and methods for monitoring in real time the physiological status of one or more subjects, especially subject engaged in potentially hazardous or dangerous activities. Systems include wearable items with one or more physiological sensors and a local data unit (LDU) operatively coupled to the sensors. The LDUs digitize and filter sensor data, extract physiological parameters, determine abnormal or not acceptable physiological conditions, and communicate to external monitoring facilities. The external facilities display status and data concerning monitored subjects. In preferred embodiments, communication between the LDUs and the external monitoring facilities dynamically adjusts to the condition of the subjects and to system changes such as subjects and external facilities entering and leaving and/or moving from place to place. The invention also provides program products for performing this invention's methods.

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Citation (search report)
• [X] EP 0846440 A2 19980610 - SARCOS INC [US]
• See references of WO 2006009830A2

Citation (examination)
• US 5228449 A 19930720 - CHRIST ATHANASIOS G [US], et al
• US 2004059205 A1 20040325 - CARLSON SVEN-ERIK [CH], et al

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