

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 A2 20070418 (EN)

Application
EP 05761157 A 20050617

Priority
• US 2005021433 W 20050617
• US 58097104 P 20040618

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.

IPC 8 full level
A61B 5/00 (2006.01); **G16H 10/60** (2018.01)

CPC (source: EP)
A61B 5/0205 (2013.01); **A61B 5/6805** (2013.01); **A61B 5/7264** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
WO 2006009830 A2 20060126; WO 2006009830 A3 20070329; AU 2005265092 A1 20060126; AU 2005265092 A2 20060126; AU 2005265092 B2 20120315; CA 2574759 A1 20060126; EP 1773185 A2 20070418; EP 1773185 A4 20090819; EP 2417905 A1 20120215; JP 2008503268 A 20080207; JP 2011245316 A 20111208; JP 5438725 B2 20140312

DOCDB simple family (application)
US 2005021433 W 20050617; AU 2005265092 A 20050617; CA 2574759 A 20050617; EP 05761157 A 20050617; EP 11188210 A 20050617; JP 2007516769 A 20050617; JP 2011143013 A 20110628