

Title (en)  
PASSIVE PHYSIOLOGICAL MONITORING (P2M) SYSTEM

Title (de)  
PASSIVES PHYSIOLOGISCHES ÜBERWACHUNGSSYSTEM (P2M)

Title (fr)  
SYSTEME DE SURVEILLANCE PHYSIOLOGIQUE PASSIVE (P2M)

Publication  
**EP 1494586 A4 20090722 (EN)**

Application  
**EP 02739108 A 20020325**

Priority  
US 0209280 W 20020325

Abstract (en)  
[origin: WO03082111A1] Passive physiological monitoring apparatus and method has a sensor for sensing physiological phenomenon. A converter converts sensed data into electrical signals and a computer receives and computes the signals and outputs computed data for real-time interactive display. The sensor is a piezoelectric film of polyvinylidene fluoride. Signals detected include mechanical, thermal and acoustic signatures reflecting cardiac output, cardiac function, internal bleeding, respiratory, pulse, apnea and temperature. The sensor may be an array (77) provided in a MEDEVAC litter (73) or other device for measuring acoustic and hydraulic signals from the body of a patient (63) for field monitoring, hospital monitoring, transport monitoring, home, remote monitoring.

IPC 1-7  
**A61B 5/103**

IPC 8 full level  
**A61B 5/0205** (2006.01); **A61B 5/103** (2006.01); **A61B 5/11** (2006.01); **A61B 5/113** (2006.01); **A61B 5/021** (2006.01); **A61B 5/024** (2006.01); **A61B 5/029** (2006.01)

CPC (source: EP)  
**A61B 5/0205** (2013.01); **A61B 5/1102** (2013.01); **A61B 5/113** (2013.01); **A61B 5/4818** (2013.01); **A61B 5/6892** (2013.01); **A61B 5/7214** (2013.01); **A61B 5/742** (2013.01); **A61B 5/021** (2013.01); **A61B 5/02125** (2013.01); **A61B 5/024** (2013.01); **A61B 5/029** (2013.01); **A61B 5/6887** (2013.01); **A61B 2505/01** (2013.01); **A61B 2562/046** (2013.01); **A61G 1/04** (2013.01); **A61G 2203/30** (2013.01)

Citation (search report)  
• [Y] US 3903733 A 19750909 - MURAYAMA NAOHIRO, et al  
• [YX] US 5964720 A 19991012 - PELZ SHMUEL [IL]  
• See references of WO 03082111A1

Citation (examination)  
US 5853005 A 19981229 - SCANLON MICHAEL V [US]

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DOCDB simple family (publication)  
**WO 03082111 A1 20031009**; AU 2002311781 A1 20031013; AU 2002311781 B2 20090903; CA 2479972 A1 20031009; CN 100518638 C 20090729; CN 1625368 A 20050608; EP 1494586 A1 20050112; EP 1494586 A4 20090722; HK 1075190 A1 20051209; JP 2006504443 A 20060209; JP 4344247 B2 20091014

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**US 0209280 W 20020325**; AU 2002311781 A 20020325; CA 2479972 A 20020325; CN 02828865 A 20020325; EP 02739108 A 20020325; HK 05107541 A 20050829; JP 2003579659 A 20020325