

Title (en)

MULTI-CHANNEL VENTILATION MONITOR AND METHOD.

Title (de)

MEHRKANALIGES GERÄT UND VERFAHREN ZUR ÜBERWACHUNG DER BELÜFTUNG.

Title (fr)

PROCEDE ET MONITEUR DE VENTILATION A CANAUX MULTIPLES.

Publication

EP 0218690 A4 19870722 (EN)

Application

EP 86902683 A 19860409

Priority

- US 75306985 A 19850410
- US 82853586 A 19860212

Abstract (en)

[origin: WO8605965A1] The ventilation monitor includes one or more discrete sensors and a plurality of independent channels for processing the input signals from each of the discrete sensors. The principle category of sensor used in conjunction with this ventilation monitor is capable of the reception of information associated with breathing and cardiovascular movement. A second category of the sensor which can be used in conjunction with this ventilation monitor is capable of the reception of audible sounds associated with breathing. Each of the individual input signals from these sensors is initially verified as being indicative of the sensation being monitored and, thereafter, compared in real time with one another and criteria stored within a microprocessor. The purpose of the comparison is to verify a normal breathing pattern and signal an alarm when the breathing pattern is abnormal. The ventilation monitor is also provided with means to dynamically adjust the gain and frequency response of each channel to accommodate changes in the monitored subject's position and physiological states.

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IPC 8 full level

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CPC (source: EP)

A61B 5/0816 (2013.01); **A61B 5/6892** (2013.01); **A61B 2560/0456** (2013.01); **G16H 40/63** (2017.12)

Citation (search report)

- US 4506678 A 19850326 - RUSSELL DONALD J [US], et al
- EP 0080821 A2 19830608 - DATAMEDIX INC [US]
- US 4033332 A 19770705 - HARDWAY JR EDWARD V, et al
- See references of WO 8605965A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

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