Title (en)

METHODS AND APPARATUS FOR MONITORING CARDIOVASCULAR REGULATION USING HEART RATE POWER SPECTRAL ANALYSIS.

Title (de)

VERFAHREN UND GERÄT ZUR ÜBERWACHUNG DES KREISLAUFREGELSYSTEMS MITTELS SPEKTRALANALYSE DER HERZFREQUENZ.

Title (fr)

PROCEDES ET APPAREIL DE CONTROLE DU REGLAGE CARDIOVASCULAIRE A ANALYSE DU SPECTRE DE PUISSANCE DU TAUX DE BATTEMENT DU COEUR.

Publication

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Application

EP 86903945 A 19860530

Priority

US 74208885 A 19850605

Abstract (en)

[origin: WO8607248A1] A patient monitor (4) having an electrocardiographic signal source (2) and an electroplethysmographic respiratory signal source (3) provides inputs to an ECG trigger circuit (5) and an analog-to-digital interface respectively which in turn provide data and control signals to a personal computer (7) programmed to automatically correct the data for artifacts and analyze the spectral densities of the signals which are then shown on display (9).

IPC 1-7

A61B 5/02

IPC 8 full level

A61B 5/024 (2006.01); **A61B 5/0245** (2006.01); **G06F 17/00** (2006.01)

IPC 8 main group level

A61B (2006.01)

CPC (source: EP KR)

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Citation (search report)
- [A] US 4342318 A 19820803 - ENGLE WILLIAM R, et al
- [A] MEDICAL PROGRESS THROUGH TECHNOLOGY, vol. 8, no. 2, 1981, pages 77-82, Springer-Verlag, Berlin, DE; A. MORGUET et al.: "Microcomputer-based measurement of beat-to-beat intervals and analysis of heart rate variability"
- [A] MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING, vol. 22, no. 4, July 1984, pages 289-297, IFMBE, Stevenage, Herts, GB; O. PAHLM et al.: "Software QRS detection in ambulatory monitoring - a review"
- See references of WO 8607248A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

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