

Title (en)  
MEDICAL DECISION SUPPORT SYSTEM

Title (de)  
SYSTEM ZUR UNTERSTÜTZUNG MEDIZINISCHER ENTSCHEIDUNGEN

Title (fr)  
SYSTÈME DE SUPPORT DE DÉCISION MÉDICALE

Publication  
**EP 3958743 A1 20220302 (EN)**

Application  
**EP 20794539 A 20200424**

Priority  
• US 201962838270 P 20190424  
• US 201962838296 P 20190424  
• US 2020029970 W 20200424

Abstract (en)  
[origin: WO2020219991A1] An auscultatory sound signal from at least one auscultatory sound-or-vibration sensor is segmented into a plurality of associated heart cycle segments responsive to associated R-peak locations of an electrographic envelope signal representing an envelope response to an even power of an associated electrographic signal from an ECG sensor. A representation an envelope responsive to an even power of said auscultatory sound signal within said at least one heart cycle is locally modeled about at least a second peak to provide for locating the start of diastole of said at least one heart cycle.

IPC 8 full level  
**A61B 7/04** (2006.01); **A61B 5/024** (2006.01); **A61B 5/0245** (2006.01); **A61B 5/352** (2021.01); **A61B 7/00** (2006.01)

CPC (source: EP)  
**A61B 5/352** (2021.01); **A61B 7/04** (2013.01); **A61B 5/0245** (2013.01)

Citation (search report)  
See references of WO 2020219991A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020219991 A1 20201029**; CA 3137910 A1 20201029; EP 3958743 A1 20220302

DOCDB simple family (application)  
**US 2020029970 W 20200424**; CA 3137910 A 20200424; EP 20794539 A 20200424