

Title (en)
HEART RATE MONITOR

Title (de)
HERZFREQUENZMONITOR

Title (fr)
MONITEUR DE FRÉQUENCE CARDIAQUE

Publication
EP 2496143 A4 20140820 (EN)

Application
EP 10829089 A 20101104

Priority
• US 25800809 P 20091104
• US 2010055450 W 20101104

Abstract (en)
[origin: WO2011056974A1] Systems and methods of monitoring the fetal heart rate in a human subject are described. The subject's umbilicus defines a point on an umbilicus axis length perpendicular to the subject's body. The axis is oriented on an umbilicus plane perpendicular to the subject's length. The system includes at least one sensor mountable in an ellipse defined by the subject's length and width. The width is the umbilicus plane's longest chord. The sensor senses acoustic energy and generates a signal. A processing unit receives the signal to determine average fetal heart rate frequency.

IPC 8 full level
A61B 8/00 (2006.01)

CPC (source: EP)
A61B 5/02411 (2013.01); **A61B 5/4362** (2013.01); **A61B 7/04** (2013.01)

Citation (search report)
• [X] WO 2007130958 A2 20071115 - LONO MEDICAL SYSTEMS LLC [US], et al
• [X] WO 9705821 A1 19970220 - PENTAWATT KFT [HU], et al
• [X] US 4781200 A 19881101 - BAKER DONALD A [US]
• [X] WO 0160251 A2 20010823 - NASA [US]
• [X] WO 8602250 A1 19860424 - HASTINGS HAROLD M
• See references of WO 2011056974A1

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

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US 2010055450 W 20101104; EP 10829089 A 20101104; JP 2012537992 A 20101104