

Title (en)

BELTLESS LABOR CONTRACTION AND HEART RATE MONITORING APPARATUS

Title (de)

GURTLOSES WEHENKONTRAKTIONS- UND HERZFREQUENZÜBERWACHUNGSGERÄT

Title (fr)

APPAREIL MOBILE DE SURVEILLANCE DES CONTRACTIONS DE TRAVAIL ET DE LA FREQUENCE CARDIAQUE

Publication

EP 1750587 A4 20090819 (EN)

Application

EP 05748409 A 20050511

Priority

- US 2005016406 W 20050511
- US 56982904 P 20040511

Abstract (en)

[origin: WO2005110236A1] A beltless device for monitoring labor contractions via a fiber optic cable and fetal heartbeats via an ultrasound sensor. The same or separate fiber optic cables may be used to provide a visual indication of labor contractions and fetal heartbeats. The device comfortably attaches to the abdomen of a pregnant mother and is preferably wireless to allow full mobility to the mother. The device may also be used to monitor heartbeats of children and adults.

IPC 8 full level

A61B 8/00 (2006.01); **A61B 5/03** (2006.01); **A61B 8/02** (2006.01); **A61B 5/00** (2006.01)

CPC (source: EP)

A61B 5/061 (2013.01); **A61B 5/4356** (2013.01); **A61B 8/02** (2013.01); **A61B 8/0866** (2013.01); **A61B 8/4236** (2013.01); **A61B 5/0002** (2013.01); **A61B 8/4472** (2013.01); **A61B 8/56** (2013.01)

Citation (search report)

- [A] US 3824988 A 19740723 - SOLDNER R, et al
- [X] US 2002028995 A1 20020307 - MAULT JAMES R [US]
- [XA] US 4086917 A 19780502 - BURKS NATHANIEL W, et al
- [XA] WO 0189359 A2 20011129 - P M G MEDICA LTD [IL], et al
- [A] US 3847016 A 19741112 - ZIEDONIS J
- [A] WO 9632888 A1 19961024 - IMEX MEDICAL SYSTEMS INC [US]
- [A] US 4920966 A 19900501 - HON EDWARD H [US], et al
- [A] US 6607486 B1 20030819 - WATSON RICHARD L [US]
- See references of WO 2005110236A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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