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[Continued on next page]

(54) Title: PRETERM LABOR MONITOR

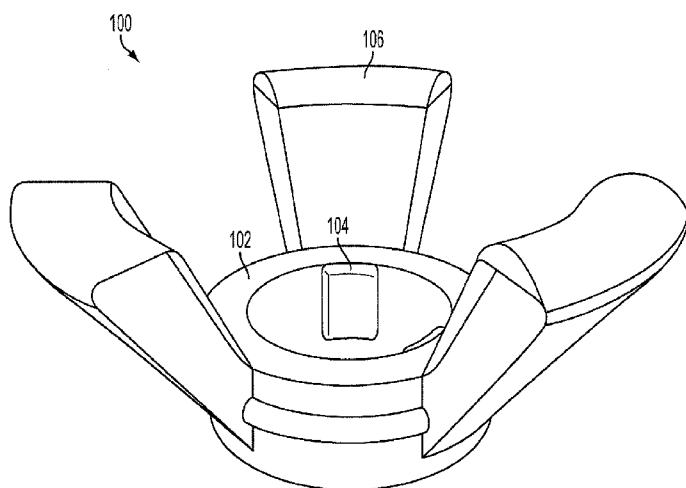


FIG. 1

(57) Abstract: A system, method and apparatus for monitoring uterine and/or cervical activity indicative of labor in a patient. The system includes a medical device and a data processor in communication with the medical device. The medical device includes a structural component, a first electrode attached to the structural component, and a second electrode attached to the structural component. The structural component is structured to be in contact with a cervical surface and a vaginal surface of the patient, such that said first electrode is in electrical contact with said cervical surface and said second electrode is in electrical contact with said vaginal surface. The first electrode is adapted to receive an electrical activity of the cervical surface and the second electrode is adapted to receive an electrical activity of the uterus through the vaginal surface. The data processor is adapted to process the electrical activity of the electrodes to detect contractions on a surface of the patient indicative of labor.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER***A61B 5/0488(2006.01)i, A61B 5/0492(2006.01)i***

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: uterus, electrode, labor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 2008-0171950 A1 (FRANCO JEFF) 17 July 2008 See abstract, paragraph [0023], [0026]-[0029], [0032], [0040], [0043]-[0044], claims 1-2, 8, 16, 18-20, 22 and figures 1A-B, 7	1-20
A	US 2009-0171234 A1 (GUREWITSCH EDITH D. et al.) 02 July 2009 See abstract, paragraph [0054], [0062], [0070]-[0071], [0075], [0079], [0082], [011 2], claims 1, 11 and figures 2A, 4A-B, 6A-D, 13	1-20
A	US 2002-0193701 A1 (NIGEL ALASTAIR BUIST SIMPSON et al.) 19 December 2002 See abstract, paragraph [0009], [0010], [0044], [0058], [0059], claims 1, 3 and figures 1a-b, 2	1-20
A	US 04577640A A (HOFMEISTER; JOHN F.) 25 March 1986 See abstract, column 5, line 57 - column 6, line 4, 33-50, column 7, line 37- 47 and figures 1-2, 7-11	1-20



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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