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Hirsch et al.

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- [54] **NON-INVASIVE MEDICAL PROBE PROVIDED WITH SUCTION CUP**
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- [58] Field of Search **128/642, 643, 633, 635, 128/662.03, 736**

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[57] ABSTRACT

A non-invasive medical probe for monitoring a patient's condition in particular an intra-uterine device for monitoring fetal condition is featured. The medical probe includes a resilient walled suction cup having a peripheral rim for application to a patient's skin, a pump adapted for connection to the cup for evacuating the cup to adhere the cup to the patient's skin, and a pair of non-invasive skin contact electrodes for connection to diagnostic apparatus. One of the electrodes is disposed on a mounting located centrally within the cup to leave a channel to be evacuated by the pump and the second electrode is disposed externally of the cup adjacent to the cup to provide a second contact in the vicinity of the first electrode.

21 Claims, 6 Drawing Sheets

