

- [54] **APPARATUS FOR MONITORING FETAL HEARTBEAT AND THE LIKE**
- [75] Inventors: **Joel N. Helfer, Cheshire; Phillip W. King, Wallingford, both of Conn.**
- [73] Assignee: **American Home Products Corporation, New York, N.Y.**
- [21] Appl. No.: **329,799**
- [22] Filed: **Dec. 11, 1981**
- [51] Int. Cl.³ **A61B 5/04**
- [52] U.S. Cl. **128/642**
- [58] Field of Search **128/642, 639, 784-786, 128/419 P, 802**

4,321,931 3/1982 Hon 128/642

FOREIGN PATENT DOCUMENTS

2738479 3/1979 Fed. Rep. of Germany 128/642

Primary Examiner—Lee S. Cohen
Attorney, Agent, or Firm—Edward M. Blocker

[57] **ABSTRACT**

An apparatus for use in monitoring fetal heartbeat and the like. The apparatus includes a tubular member having a distal end adapted to be inserted through the vagina and cervix of a woman in labor. A coil is movably mounted in the tubular member and is adapted to be rotatably attached to the fetus. A linear to rotary converter is provided for applying a rotary force to turn the coil for attaching to the fetus in response to the linear force applied by a user to the additional elements and additional means serve to yieldably resist the linear force applied by the user.

6 Claims, 11 Drawing Figures

[56] **References Cited**

U.S. PATENT DOCUMENTS

- Re. 28,990 10/1976 Hon et al. 128/642
- 4,180,080 12/1979 Murphy 128/642
- 4,281,659 8/1981 Farrar et al. 128/642 X
- 4,294,258 10/1981 Bernard 128/642 X
- 4,301,806 11/1981 Helfer 128/642

