

[54] **PERISTALTIC FLUID PUMP**

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[58] Field of Search **417/50, 474, 394**

[56] **References Cited**

UNITED STATES PATENTS

3,511,583	5/1970	Brown	417/474
3,173,372	3/1965	Baldwin	417/474
3,148,624	9/1964	Baldwin	417/394

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[57] **ABSTRACT**

A peristaltic pump embodying a tube formed of flexible material surrounded by a chamber that contains a ferromagnetic fluid. A plurality of electrically conducting loops are placed circumferentially around the flexible tube in the vicinity of the ferromagnetic fluid. The conducting loops are sequentially energized along the length of the flexible tube in such a manner that the resultant force on the ferromagnetic fluid causes the portion of the flexible tube in the vicinity of the energized loops to flex in a predetermined manner. This action provides a motive force that advances fluid through the tube in any selected manner.

2 Claims, 3 Drawing Figures

