

[54] NON-THROMBOGENIC CATHETER

[75] Inventor: Philip N. Sawyer, Brooklyn, N.Y.

[73] Assignee: Meadox Medicals, Inc., Oakland, N.J.

[22] Filed: Apr. 13, 1973

[21] Appl. No.: 351,051

[52] U.S. Cl. 128/348; 003/001; 003/DIG. 3-1; 128/002.05 R; 128/334 R

[51] Int. Cl. A61b 5/02; A61m 25/00

[58] Field of Search 003/001, DIG. 3-1; 128/2.05 R, 334 R, 348

[56] References Cited

UNITED STATES PATENTS

3,609,768	10/1971	Ayres.....	003/001
3,633,578	1/1972	Roth et al.	128/214 R UX
3,663,288	5/1972	Miller	003/DIG. 1

OTHER PUBLICATIONS

Costello, M. et al, "Correlations Between Electrochemical and Antithrombogenic Characteristics of Polyelectrolyte Materials." Trans. Amer. Soc. Artific. Int. Org. XVI: 1-6.1970.

Primary Examiner—Channing L. Pace
Attorney, Agent, or Firm—Blum Moscovitz Friedman & Kaplan

[57] ABSTRACT

A catheter suitable for insertion into veins and arteries has an outer surface which is antithrombogenic. One such surface is acidic and is partially neutralized with metallic ions. A catheter in accordance with the present invention is non-thrombogenic and is essentially free of tendency to cause thrombosis, thrombophlebitis or periphlebitis.

7 Claims, 2 Drawing Figures

