

[54] BILIARY EXPLORATORY BALLOON CATHETER WITH REPLACEABLE LEAD-TIP

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[\*\*] Term: 14 Years

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[58] Field of Search ..... D24/51, 53, 54; 128/1 D; 604/96, 102, 103, 270

[56] References Cited

U.S. PATENT DOCUMENTS

D. 235,173	5/1975	Boone	.....	D24/54
3,559,643	2/1971	Pannier, Jr. et al.	.....	604/171
3,977,408	8/1976	MacKew	.....	604/102

4,261,339	4/1981	Hanson et al.	.....	128/1 D
4,422,447	12/1983	Schiff	.....	604/162 X

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[57] CLAIM

The ornamental design for a biliary exploratory balloon catheter with replaceable lead-tip, as shown and described.

DESCRIPTION

FIG. 1 is an elevational view of the biliary exploratory balloon catheter with replaceable lead-tip showing my new design.

FIG. 2 is an enlarged elevational view of the portion of the catheter noted by marking 2—2 on FIG. 1.

FIG. 3 is an enlarged perspective view of the element connecting the catheter body and the lead-tip.



