#### Des. 287,631 Patent Number: United States Patent [19] [11] Date of Patent: **\*\*** Jan. 6, 1987 [45] Anspach, Jr.

- COMBINED SHAFT BEARING SLEEVE AND [54] ATTACHMENT COLLAR FOR SURGICAL **CUTTING TOOLS**
- William E. Anspach, Jr., 1349 S. Inventor: [76] Killian Dr., Lake Park, Fla. 33403
- 14 Years Term: [\*\*]
- [21] Appl. No.: 578,404

[22]	Filed: Feb. 9, 1984	
1521	U.S. Cl.	D24/29; D24/28
[58]	Field of Search	. D15/139, 138, 140, 141,
[~~]		20, 20, 100/181, 187, 175

1 272 117	6/1981	Neuhäuser 128/305
4,275,117	2/1082	Kubicek
4,320,990	7/1902	Cibley 128/305
4,401,305	//1704	Dapra et al 128/305
4,586,497	5/1980	Dapra et al

Primary Examiner-B. J. Bullock Attorney, Agent, or Firm-Jack N. McCarthy

### **CLAIM** [57]

The ornamental design for a combined shaft bearing sleeve and attachment collar for surgical cutting tools, substantially as shown and described.

## DESCRIPTION

FIG. 1 is a perspective view of a combined shaft bearing sleeve and attachment collar for surgical cutting tools showing my new design, the threads which are partially shown extend into the attachment collar; FIG. 2 is a top plan view thereof; FIG. 3 is a bottom plan view thereof. The characteristic feature of my design resides in the specific configuration of the attachment collar.

D15/142; D24/26, 28, 29; 409/181, 182, 175; 408/239, 240; 128/305; 279/83, 103

## **References** Cited [56] U.S. PATENT DOCUMENTS

2 016 760	12/1957	Noble
2,010,707	14/1957	10010 120/205
2 284 085	5/1968	Hall
5,504,005	J/ X/00	270/103
4 206 821	6/1980	Emmerich
7,200,021	0, 1900	

. . . . • . • . . . . 



Jan. 6, 1987

FIG. 1



# Des. 287,631

÷ 1





FIG. 2



F/G. 3

• .

-

. · .

. -.

• .

.

.

-