



US00D409746S

# United States Patent [19] Hechel

[11] **Patent Number: Des. 409,746**

[45] **Date of Patent: \*\* May 11, 1999**

[54] **CANNULA FOR AN ULTRASONIC PROBE**

[75] Inventor: **Dennis L. Hechel**, Gurnee, Ill.

[73] Assignee: **FibraSonics Inc.**, Chicago, Ill.

[\*\*] Term: **14 Years**

[21] Appl. No.: **29/081,180**

[22] Filed: **Dec. 23, 1997**

[51] **LOC (6) Cl. .... 24-04**

[52] **U.S. Cl. .... D24/112**

[58] **Field of Search .... D24/112, 141,  
D24/133; 604/264, 60, 57, 59, 19, 902,  
27; 606/117**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 262,577	1/1982	Anderson .....	D24/112
D. 282,285	1/1986	Levy .....	D24/112
D. 341,420	11/1993	Conn .....	D24/112
D. 353,668	12/1994	Banks et al. ....	D24/112
2,227,727	1/1941	Leggiadro .	
3,896,811	7/1975	Storz .	
3,990,452	11/1976	Murry et al. .	
4,493,694	1/1985	Wuchinich .	
4,775,365	10/1988	Swartz .	
4,815,462	3/1989	Clark .	
4,886,491	12/1989	Parisi et al. .	
4,932,935	6/1990	Swartz .	
5,037,432	8/1991	Molinari .	
5,112,302	5/1992	Cucin .	
5,123,903	6/1992	Quaid et al. .	
5,190,518	3/1993	Takasu .	
5,236,414	8/1993	Takasu .	

5,242,386	9/1993	Holzer .	
5,244,458	9/1993	Takasu .	
5,254,082	10/1993	Takase .	
5,282,820	2/1994	Goodstein .	
5,348,535	9/1994	Cucin .	
5,419,761	5/1995	Narayanan et al. .	
5,514,086	5/1996	Parisi et al. .	
5,554,136	9/1996	Luther .....	604/264
5,562,127	10/1996	Fanselow et al. ....	604/264
5,562,609	10/1996	Brumbach .	
5,562,610	10/1996	Brumbach .	
5,569,178	10/1996	Henley .	
5,643,198	7/1997	Cucin .	
5,685,852	11/1997	Turkel et al. ....	604/264

*Primary Examiner*—Pamela Burgess  
*Attorney, Agent, or Firm*—Welsh & Katz, Ltd.

[57] **CLAIM**

The ornamental design for a cannula for an ultrasonic probe, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a cannula for an ultrasonic probe showing my new design; FIG. 2 is a right end view thereof; FIG. 3 is a top plan view thereof; FIG. 4 is a front elevational view thereof, the undisclosed rear being a mirror image; and, FIG. 5 is a bottom plan view thereof. The broken lines shown are for illustrative purposes only and form no part of the claimed design. The tube is broken away for clarity of disclosure and to indicate indeterminate length.

**1 Claim, 1 Drawing Sheet**



