### United States Patent [19]

Rudolph et al.

- **THREE-WAY T-SHAPED RESPIRATORY** [54] VALVE WITH DUAL BALLOON
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[本本] 14 Years Term:

**Patent Number:** Des. 300,272 [11] Date of Patent: \*\* Mar. 14, 1989 [45]

### FOREIGN PATENT DOCUMENTS

2162070 1/1986 United Kingdom ...... 128/205.24

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#### [57] CLAIM

The ornamental design for a three-way T-shaped respiratory valve with dual balloon, as shown and described.

### DESCRIPTION

Appl. No.: 25,924 [21]

May 18, 1987 [22] Filed: [52] 

[58] Field of Search ...... D29/6, 7; 128/205.24, 128/203.14, 205.17, 200.14, 200.18, 204.19

#### [56] **References** Cited

#### **U.S. PATENT DOCUMENTS**

D. 233,372	10/1974	Haustad	D29/7
		Koegel	
4,098,290	7/1978	Glenn	128/205.24
4,180,066	12/1979	Milliken et al.	128/205.24
4,436,090	3/1984	Darling	128/205.24
4,489,721	12/1984	Ozaki et al.	128/205.24
		Porter, Jr.	

FIG. 1 is a perspective view of a three way T-shaped respiratory valve with dual balloon showing our new design; FIG. 2 is a left side elevational view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a right side elevational view thereof; FIG. 6 is a rear elevational view thereof; FIG. 7 is a bottom plan view thereof; FIG. 8 is a right side elevational view of a second embodiment of the three way T-shaped respiratory valve with dual balloon, wherein the body of the valve is clear thereby showing the interior thereof, the outside of the valve being otherwise the same as the valve of FIGS. 1 through 7; and,

FIG. 9 is a front elevational view of FIG. 8.



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# Fig. 3.

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# Fig.G.

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# Fig.7.

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# Fig.B.

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# Fig. g.

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