

### United States Patent [19]

Nakadaira et al.

# [11] Patent Number: Des. 370,054 [45] Date of Patent: \*May 21, 1996

### [54] DIAPHRAGM VALVE

- [75] Inventors: Katsuya Nakadaira; Toshihiro Hanada, both of Nobeoka, Japan
- [73] Assignee: Asahi Yukizai Kogyo Co., Ltd., Miyazaki, Japan
- [\*\*] Term: 14 Years
- [21] Appl. No.: **35,467**

D. 098,061	10/1935	Flodin D23/248
D. 297,971	10/1988	Kiyoto et al D23/245
D. 299,521	1/1989	Kiyoto et al D23/245
1,483,631	2/1924	Forbes 137/312

Primary Examiner—Stella Reid Assistant Examiner—Eric Watterson Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis [57] CLAIM

The ornamental design for a diaphragm valve, as shown.

[22] Filed: Feb. 28, 1995

#### [30] Foreign Application Priority Data

 Aug. 31, 1994
 [JP]
 Japan
 6-25938

 [52]
 U.S. Cl.
 D23/245

 [58]
 Field of Search
 D23/233–237,

 D23/244–249; 137/801, 412, 312; 251/148,
 152, 309, 330

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

D. 26,683	2/1897	Railton et al.	D23/233
D. 60,185	1/1922	Whiteman	D23/245

#### DESCRIPTION

FIG. 1 is a perspective view of a diaphragm valve showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a right side elevational view thereof, a left side elevational view being a mirror image of the right side elevational view; and,
FIG. 7 is a cross-sectional view taken along the line 7—7 in FIG. 3.

#### 1 Claim, 5 Drawing Sheets



### U.S. Patent May 21, 1996 Sheet 1 of 5 Des. 370,054

.

Fig.1

•

.



•

## U.S. Patent May 21, 1996 Sheet 2 of 5 Des. 370,054





.

.







## U.S. Patent May 21, 1996 Sheet 3 of 5 Des. 370,054









Fig.5



### U.S. Patent May 21, 1996 Sheet 4 of 5 Des. 370,054





#### U.S. Patent Des. 370,054 May 21, 1996 Sheet 5 of 5

Fig.7









· · ·