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(12) **United States Design Patent**  
**Smith et al.**

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(54) **ADAPTOR SEAL**

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(\*\*) Term: **14 Years**

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**Related U.S. Application Data**

(63) Continuation of application No. 29/309,420, filed on Aug. 14, 2008, now Pat. No. Des. 600,787, which is a continuation of application No. 29/257,448, filed on Apr. 5, 2006, now Pat. No. Des. 577,109.

(51) **LOC (9) Cl.** ..... **23-04**

(52) **U.S. Cl.** ..... **D23/358**

(58) **Field of Classification Search** ..... D23/358,  
D23/365; D8/382; D24/110; 55/502; 128/207.14,  
128/200.13

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,999,562 A	9/1961	Lechtenberg
D191,806 S	11/1961	Lechtenberg
3,388,705 A	6/1968	Grosshandler
3,796,027 A	3/1974	Gumtow
3,959,891 A	6/1976	Burkall
3,982,532 A	9/1976	Halldin et al.
4,537,214 A	8/1985	Cowan
4,552,574 A	11/1985	Hotta
5,174,460 A	12/1992	Minnette

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0 39 234 A1 11/1989  
(Continued)

OTHER PUBLICATIONS

Lithgow et al., U.S. Appl. No. 29/290,517, filed Dec. 12, 2007.  
(Continued)

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(57) **CLAIM**

The ornamental design for an adaptor seal, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an adaptor seal for a humidifier/respiratory apparatus according to our design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof; and,

FIG. 4 is a left side view thereof, with the right side view thereof being a mirror image thereof.

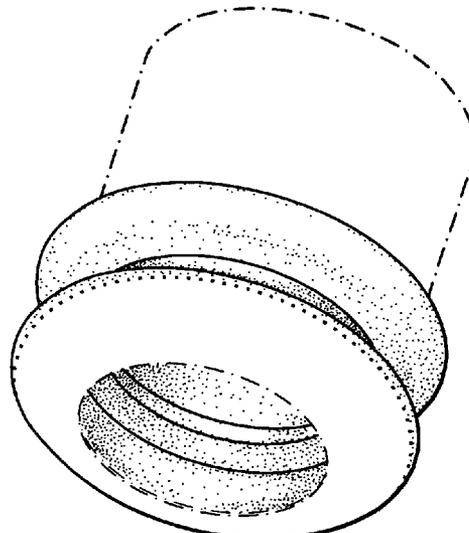
Broken lines (dash-dot-dash) represent environment or structure and do not form part of the claimed design.

Dotted lines represent the border between claimed and unclaimed subject matter and do not form a part of the claimed design.

The top and bottom views are not shown because they are similar to FIG. 4, the only difference is that the top and bottom views would be rotated 90° clockwise and 90° counterclockwise, respectively, compared to FIG. 4.

Throughout the various figures of the drawings, certain views may not be provided. The omission of a particular view is intended to convey that the element(s) depicted is/are plain and unornamented in that omitted view, or that the particular ornamental appearance in that view is simply not claimed.

**1 Claim, 2 Drawing Sheets**



# US D613,385 S

Page 2

## U.S. PATENT DOCUMENTS

5,174,534 A 12/1992 Mitchell  
D345,010 S 3/1994 Aronsson et al.  
5,292,432 A 3/1994 Janiek et al.  
5,349,946 A 9/1994 McComb  
D356,863 S 3/1995 Skaarstad  
5,617,849 A 4/1997 Springett et al.  
5,640,937 A 6/1997 Slopsema  
5,649,986 A 7/1997 Mueller  
5,673,687 A 10/1997 Dobson et al.  
5,715,815 A 2/1998 Lorenzen et al.  
5,766,451 A 6/1998 Sparling  
D403,417 S 12/1998 Rakocy  
D416,319 S 11/1999 Rollins  
D421,298 S 2/2000 Kenyon  
D427,675 S 7/2000 Hansel  
D467,335 S 12/2002 Lithgow  
D468,011 S 12/2002 Lithgow et al.  
D474,266 S 5/2003 Rotter et al.  
D476,077 S 6/2003 Lithgow  
D487,311 S 3/2004 Lithgow et al.  
6,752,846 B2 6/2004 Rotter et al.  
D493,520 S 7/2004 Bertinetti et al.  
D493,884 S 8/2004 Virr et al.

6,811,546 B1 11/2004 Callas et al.  
D503,796 S 4/2005 Lithgow et al.  
7,025,799 B2 4/2006 Peterson  
7,036,509 B2 5/2006 Rapacki et al.  
D550,349 S 9/2007 Lithgow et al.  
D553,228 S 10/2007 Virr et al.  
D577,109 S 9/2008 Smith et al.  
D600,787 S 9/2009 Smith et al.  
2004/0065335 A1 4/2004 Huber et al.  
2005/0183406 A1 8/2005 Coburn

## FOREIGN PATENT DOCUMENTS

GB 2 116 434 9/1983  
WO WO 2004/112873 A1 12/2004  
WO WO 2007/019627 2/2007

## OTHER PUBLICATIONS

Jeha et al., U.S. Appl. No. 10/533,940, filed May 2005.  
Lithgow et al., U.S. Appl. No. 29/274,233, filed Apr. 6, 2007.  
Virr et al., U.S. Appl. No. 29/287,119, filed Jun. 29, 2007.  
Fisher & Paykel Healthcare, "SleepStyle™ 2000 CPAP Series"  
Specification Sheets, 4 pages, Published Prior to Jun. 2005.  
Smith et al., U.S. Appl. No. 11/988,720, filed Jan. 14, 2008.

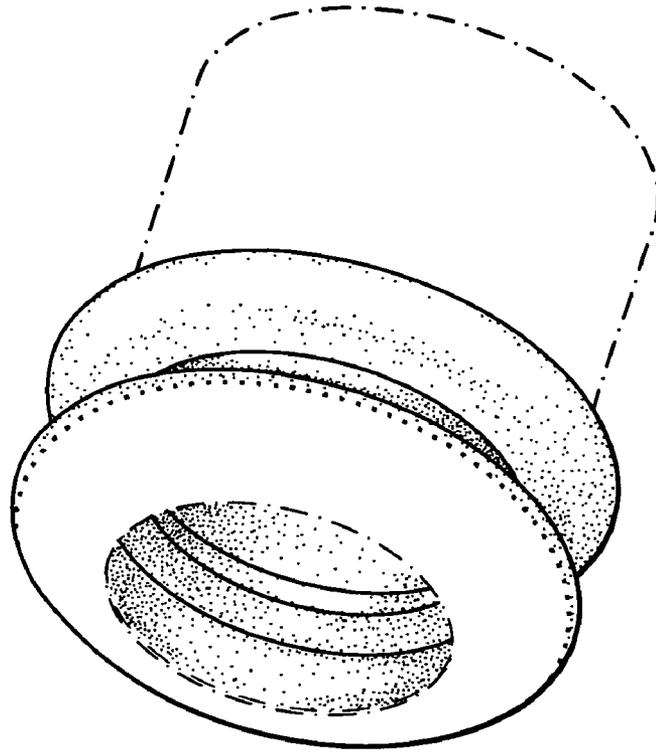


Fig. 1

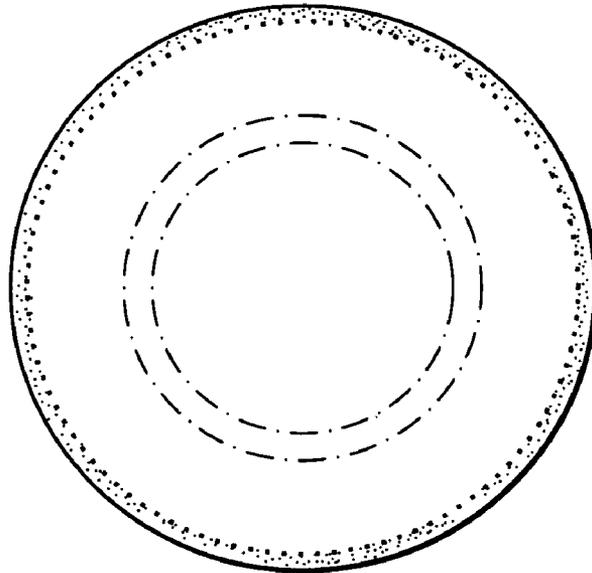


Fig. 2

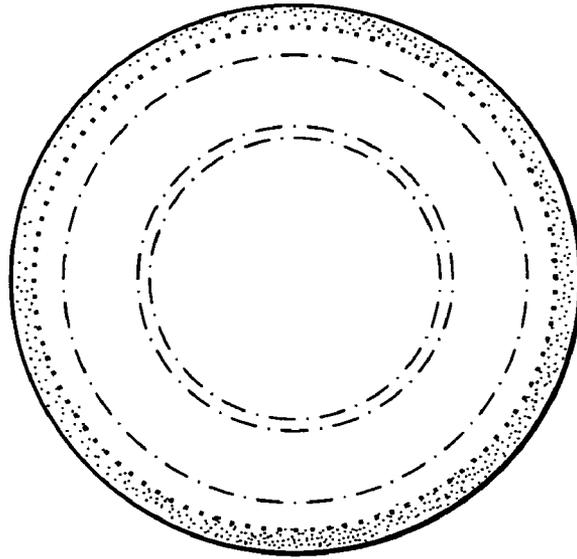


Fig. 3

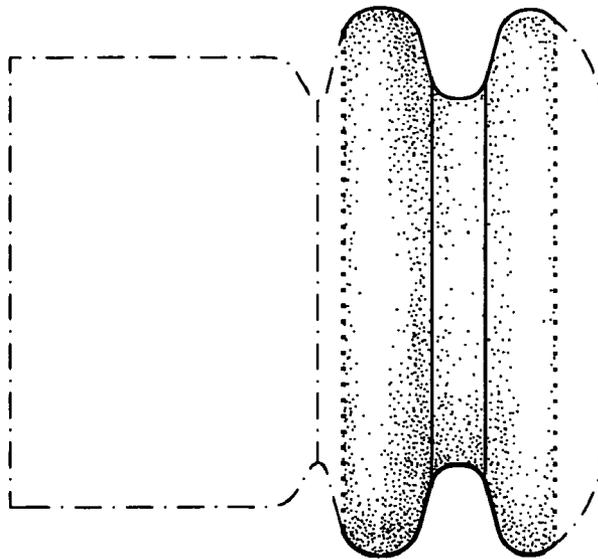


Fig. 4