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Peuker et al.

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(54) **DENTAL CAPSULE**

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D24/111-113, 152, 155-156, 176-177; D9/696;
222/129, 145.1, 145.5, 386; 433/80, 85,
433/88-90, 98, 114; 206/63.5

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,607,341 A	8/1952	Brown
3,089,626 A	5/1963	Kubiliunas
3,251,516 A	5/1966	Thomas
3,318,494 A	5/1967	Porter
3,323,682 A	6/1967	Creighton, Jr.
3,568,895 A	3/1971	Porter
3,603,310 A	9/1971	Mottin
3,680,605 A	8/1972	Nigro
3,735,900 A	5/1973	Gores
3,774,822 A	11/1973	Hazard
3,863,818 A	2/1975	Hazard
3,965,898 A	6/1976	Cloyd
3,967,759 A	7/1976	Baldwin
3,998,224 A	12/1976	Chiquiar-Arias
4,082,121 A	4/1978	Sturm et al.
4,121,739 A	10/1978	Devaney
4,182,238 A	1/1980	Mitchell, Sr.
4,235,235 A	11/1980	Bekkering

4,252,118 A	2/1981	Richard
4,471,888 A	9/1984	Herb
4,496,344 A	1/1985	Kamstra
4,538,920 A	9/1985	Drake
4,572,210 A	2/1986	McKinnon
4,599,082 A	7/1986	Grimard
4,613,326 A	9/1986	Szwarc
4,632,672 A	12/1986	Kvitrud
4,660,569 A	4/1987	Etherington
4,674,661 A	6/1987	Herold
4,687,663 A	8/1987	Schaeffer
4,689,042 A	8/1987	Sarnoff

(Continued)

FOREIGN PATENT DOCUMENTS

CH	669164	2/1989
CN	1138001	12/1996
DE	2219009	10/1973
DE	3913409	10/1990
DE	9016568	5/1992

(Continued)

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(57) **CLAIM**

The ornamental design for a dental capsule, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view showing the new design for a dental capsule.

FIG. 2 is a right view thereof;

FIG. 3 is a left view thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a bottom view thereof;

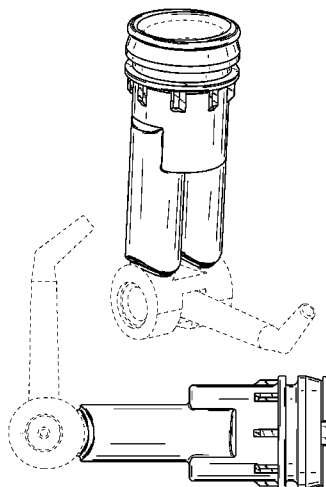
FIG. 6 is a front view thereof; and,

FIG. 7 is a back view thereof.

The broken lines form no part of the claimed design, and any shading is provided to illustrate contour only and is not an indication of texture, gloss, etc.

The broken lined showing portions of a dental capsule are included for illustrating environmental structure and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



US D657,876 S

Page 2

U.S. PATENT DOCUMENTS

4,735,509 A 4/1988 Rausch
 4,755,169 A 7/1988 Sarnoff
 4,792,065 A 12/1988 Soehnlein
 4,801,008 A 1/1989 Rich
 4,811,549 A 3/1989 Usami
 4,811,838 A 3/1989 Usami
 4,826,483 A 5/1989 Molnar, IV
 4,852,772 A 8/1989 Ennis, III
 4,854,343 A 8/1989 Rilett
 4,865,884 A 9/1989 Usami
 4,951,848 A 8/1990 Keller
 4,966,468 A 10/1990 Brüning
 4,986,443 A 1/1991 Saur
 4,995,540 A 2/1991 Colin
 5,016,782 A 5/1991 Pfanstiel
 5,021,047 A 6/1991 Movern
 5,033,650 A 7/1991 Colin
 5,042,695 A 8/1991 Batteggazzore
 5,065,906 A 11/1991 Maeder
 RE33,801 E 1/1992 Green
 5,082,147 A 1/1992 Jacobs
 5,127,548 A 7/1992 Brunet
 5,137,181 A 8/1992 Keller
 5,178,305 A 1/1993 Keller
 5,183,466 A 2/1993 Movern
 5,238,003 A 8/1993 Baidwan
 5,242,082 A 9/1993 Giannuzzi
 5,249,709 A 10/1993 Duckworth
 5,316,186 A 5/1994 Prestele
 5,333,760 A 8/1994 Simmen
 5,370,221 A 12/1994 Magnusson
 5,400,926 A 3/1995 Keller
 5,453,093 A 9/1995 Haining
 5,535,922 A 7/1996 Maziarz
 5,599,312 A 2/1997 Higashikawa
 5,647,510 A 7/1997 Keller
 5,716,338 A 2/1998 Hjertman
 5,738,655 A 4/1998 Valledunga
 5,743,436 A 4/1998 Wilcox
 5,865,803 A 2/1999 Major
 5,871,355 A * 2/1999 Dragan et al. 433/90
 5,874,354 A 2/1999 Heitzer
 5,878,922 A 3/1999 Boring
 5,897,028 A 4/1999 Sauer
 5,938,439 A 8/1999 Mertins
 6,027,481 A 2/2000 Barrelle
 6,047,861 A 4/2000 Vidal
 6,048,201 A 4/2000 Zwingenberger
 6,060,643 A 5/2000 Fleming
 6,065,643 A 5/2000 Harvey
 6,095,814 A 8/2000 Petrich
 6,102,699 A 8/2000 Galehr
 6,135,771 A * 10/2000 Dragan et al. 433/90
 6,261,094 B1 * 7/2001 Dragan 433/90
 6,352,177 B1 3/2002 Bublewitz
 6,375,460 B1 * 4/2002 Plaumann 433/80
 6,386,872 B1 5/2002 Mukasa
 6,409,972 B1 6/2002 Chan
 6,454,129 B1 9/2002 Green
 6,464,112 B2 10/2002 Summons
 6,547,101 B1 4/2003 Sogaro
 6,572,565 B2 6/2003 Daley
 6,585,511 B2 * 7/2003 Dragan et al. 433/90
 6,598,766 B1 7/2003 Brugner
 6,632,198 B2 10/2003 Caizza
 6,681,957 B1 1/2004 Green
 6,685,063 B2 2/2004 Brugner
 6,698,622 B2 3/2004 Sawhney
 6,740,062 B2 5/2004 Hjertman
 6,843,652 B2 1/2005 Xie
 6,877,983 B1 * 4/2005 Dragan et al. 433/90
 6,899,254 B1 5/2005 Sandholm
 6,916,308 B2 7/2005 Dixon
 7,101,351 B2 9/2006 Crawford
 D581,528 S 11/2008 Sudo
 D583,938 S 12/2008 Sudo
 7,503,905 B2 3/2009 Jessop
 7,547,297 B2 6/2009 Brinkhues

D602,591 S * 10/2009 Cheetham D24/176
 D602,592 S * 10/2009 Cheetham D24/176
 D602,593 S * 10/2009 Cheetham D24/176
 7,621,428 B2 11/2009 Springhorn
 D620,118 S * 7/2010 Cheetham D24/176
 7,882,983 B2 * 2/2011 Reidt et al. 222/145.5
 7,909,211 B2 3/2011 Springhorn
 2002/0023892 A1 2/2002 Savitz
 2002/0076671 A1 6/2002 Evers
 2002/0077598 A1 6/2002 Yap
 2003/0111490 A1 6/2003 Pierson
 2003/0120220 A1 6/2003 Lee
 2003/0147688 A1 8/2003 Hathaway
 2003/0196914 A1 10/2003 Tzou
 2003/0233075 A1 12/2003 Huegli
 2004/0104249 A1 6/2004 Horth
 2004/0152041 A1 8/2004 Metzbowyer
 2004/0261888 A1 12/2004 Brennan
 2005/0006809 A1 1/2005 Stroppiana
 2005/0130099 A1 6/2005 Besek
 2005/0137533 A1 6/2005 Sudo
 2006/0178643 A1 8/2006 Sudo
 2006/0273109 A1 12/2006 Keller
 2007/0078406 A1 4/2007 Lee
 2007/0078407 A1 4/2007 Huang
 2007/0167910 A1 7/2007 Tennican
 2007/0172789 A1 7/2007 Muller
 2007/0250004 A1 10/2007 Tung
 2008/0097387 A1 4/2008 Spector
 2008/0203112 A1 8/2008 Peuker
 2008/0230565 A1 * 9/2008 Hohmann et al. 222/386
 2009/0298010 A1 * 12/2009 Broyles et al. 433/90
 2010/0175348 A1 * 7/2010 Fundingsland et al. 206/63.5
 2010/0200617 A1 8/2010 Schär
 2010/0294795 A1 * 11/2010 Boehm 222/386
 2011/0084094 A1 4/2011 Reidt
 2011/0101563 A1 5/2011 Costa
 2011/0189059 A1 * 8/2011 Boehm et al. 422/225

FOREIGN PATENT DOCUMENTS

DE 9206892 1/1993
 DE 4229588 3/1994
 DE 29506800 8/1996
 DE 19720896 12/1997
 DE 19708548 9/1998
 DE 29811344 10/1999
 DE 10133075 1/2003
 DE 10151104 4/2003
 DE 20216632 4/2004
 EP 0093185 11/1983
 EP 0112574 7/1984
 EP 0783872 7/1997
 EP 0831034 3/1998
 EP 0966331 8/2002
 EP 1544123 6/2005
 FR 833083 10/1938
 FR 1493380 8/1967
 FR 2626248 7/1989
 GB 1475430 6/1977
 JP 6265969 3/1987
 JP 4200672 7/1992
 JP 6199566 7/1994
 JP 2002145360 5/2002
 WO 90/05096 5/1990
 WO 91/05731 5/1991
 WO 93/22200 11/1993
 WO 95/22941 8/1995
 WO 96/15705 5/1996
 WO 97/21394 6/1997
 WO 99/36188 7/1999
 WO 01/44065 6/2001
 WO 02/094683 11/2002
 WO 2005/016783 2/2005
 WO 2007/104037 9/2007
 WO 2009/029974 3/2009
 WO 2011/017181 2/2011
 WO 2011/025665 3/2011

* cited by examiner

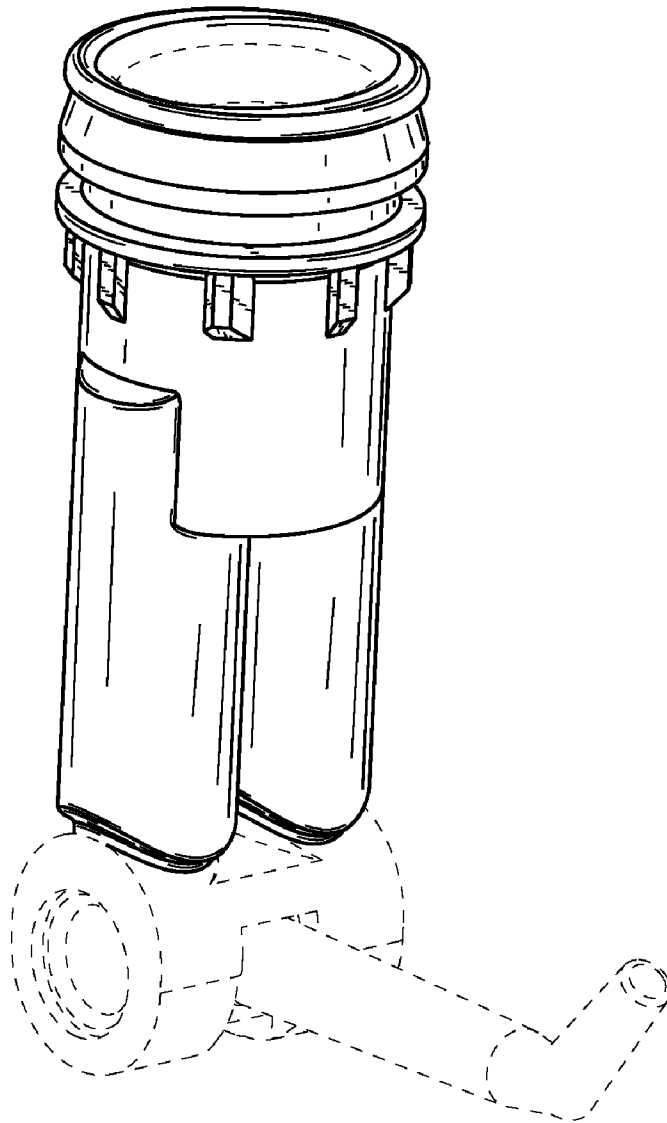


FIG. 1

