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(54) **ACTUATOR CAP**

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(73) Assignee: **S.C. Johnson & Son, Inc**, Racine, WI (US)

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

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(52) **U.S. Cl.** **D9/448**
(58) **Field of Classification Search** ..... D9/754, D9/753, 752, 741, 728, 724, 697, 695, 529, D9/524, 516, 454, 447, 445, 444, 442, 443, D9/440, 439, 435, 434, 441, 686–693, 448, D9/438; D7/679, 590–597, 511, 510, 401.1, D7/398; 241/169, 169.1, 168; 229/906.1; 222/567, 566, 545, 482, 480, 356, 151, 149, 222/142.1–142.9, 635, 494, 491; 220/713, 220/254.1, 703, 269, 200, 234, 295, 304, 220/310.1, 378, 795, 804, 849, DIG. 19, 220/DIG. 4, DIG. 7, 915; D23/260, 259; 215/200, 231, 234, 364, DIG. 1; D24/216, D24/222, 224, 231; D19/57, 43; D28/7, D28/57

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,185,777	A	1/1980	Bauer
D268,204	S	3/1983	Wesner et al.
D280,125	S	8/1985	Butterfield et al.
D288,954	S	3/1987	McDermott et al.
D291,780	S	9/1987	Guttormson
4,905,911	A	3/1990	Sakuma
D310,635	S	9/1990	Schultz et al.
D314,917	S	2/1991	Thompson
D316,675	S	5/1991	Cramer
5,044,561	A	9/1991	Holzgrefe
5,065,945	A	11/1991	Vidusek et al.
D323,117	S	1/1992	Demarest
D325,348	S	4/1992	Bishop et al.
D335,809	S	5/1993	Reifenberger

(Continued)

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(57) **CLAIM**

The ornamental design for an actuator cap, as shown and described.

DESCRIPTION

In an exemplary embodiment the nature of this product is as an actuator cap for a container, such as an aerosol container, that dispenses a material, such as a cleaner, fragrance, insecticide, or insect repellent.

FIG. **1** is a right, top, frontal perspective view of an actuator cap embodying our new design;

FIG. **2** is a front elevational view thereof;

FIG. **3** is a rear elevational view thereof;

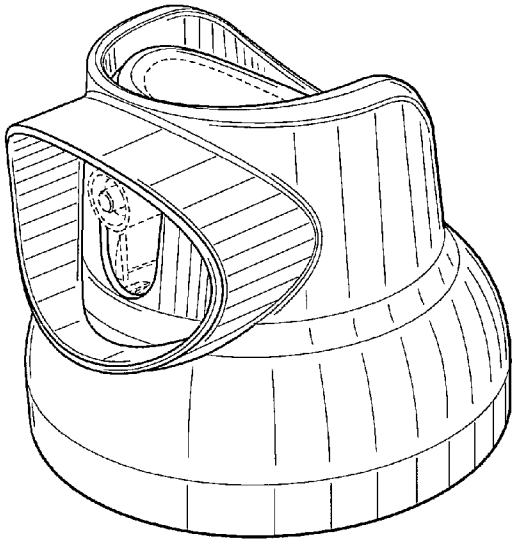
FIG. **4** is a left side elevational view thereof, the right side elevational view being a mirror image thereof;

FIG. **5** is a top plan view thereof; and,

FIG. **6** is a right, top, rear perspective view thereof shown with the environment of a container.

The broken line representations of a central portion of the actuator pad in FIGS. **1**, **3**, and **5**–**6**, of a nozzle and related support structure in FIGS. **1** and **2**, and of a container in FIG. **6** show use and environment, and form no part of the claim.

1 Claim, 3 Drawing Sheets



U.S. PATENT DOCUMENTS

5,255,848	A		10/1993	Rhodehouse
5,263,616	A		11/1993	Abplanalp
D350,249	S		9/1994	Rhodenbaugh
D352,901	S		11/1994	Ufferfilge
D353,537	S	*	12/1994	Starrett D9/448
D356,249	S		3/1995	Abfier et al.
D362,388	S		9/1995	Ferrara, Jr.
D365,990	S		1/1996	McSwiggan et al.
D366,051	S		1/1996	Lewis et al.
D370,847	S		6/1996	Lamb
D371,738	S		7/1996	Lamb
5,553,783	A		9/1996	Slavas et al.
D375,263	S		11/1996	Knickerbocker
D378,802	S		4/1997	Corcoran
5,639,025	A		6/1997	Bush
D380,384	S		7/1997	Ferrara, Jr.
D381,909	S		8/1997	Sayers et al.
D381,910	S		8/1997	Sayers et al.
5,655,715	A		8/1997	Hans et al.
5,680,992	A		10/1997	Grytz et al.
D385,792	S		11/1997	Sayers et al.
5,692,682	A		12/1997	Soule et al.
5,707,012	A		1/1998	Maier et al.
5,711,488	A		1/1998	Lund
D396,638	S		8/1998	Demarest
5,791,524	A		8/1998	Demarest
D402,890	S		12/1998	Guillemot
5,868,321	A		2/1999	Haruch
D406,239	S		3/1999	Guillemot
D406,240	S		3/1999	Guillemot
D407,975	S		4/1999	Lund et al.
D408,495	S		4/1999	Adams
5,890,655	A		4/1999	Collias et al.
D409,916	S		5/1999	Houghton et al.
5,915,599	A		6/1999	Takahashi
D411,801	S		7/1999	Kinneir et al.
D411,955	S		7/1999	Richiger
D413,063	S		8/1999	Bell et al.
D414,416	S		9/1999	Watkins
D416,490	S		11/1999	Kunesh
5,992,765	A		11/1999	Smith
6,000,633	A		12/1999	Lund et al.
6,036,116	A		3/2000	Bui
D423,356	S	*	4/2000	Mineau et al. D9/448
6,145,704	A		11/2000	Geier
6,152,190	A		11/2000	Smith
D436,038	S		1/2001	Ruiz de Gopegui
D438,111	S		2/2001	Woods
D447,948	S		9/2001	Pannozzo et al.
D457,429	S		5/2002	Walters
D460,360	S		7/2002	Diete
D462,009	S		8/2002	Poisson et al.
D462,268	S		9/2002	Schroeder et al.
6,442,788	B1		9/2002	Fleischer
6,457,658	B2		10/2002	Srinathe et al.
6,460,780	B1		10/2002	Zimmer et al.
D469,014	S		1/2003	Loghman-Adham et al.
D469,847	S		2/2003	Schroeder et al.
6,513,185	B1		2/2003	Zimmer et al.
D471,106	S		3/2003	Pannozzo et al.
D471,797	S		3/2003	Guerrera et al.
D473,927	S		4/2003	Johnson
D474,255	S		5/2003	Johnson
D474,403	S		5/2003	Fahy et al.
D478,284	S		8/2003	Pannozzo et al.
D478,285	S		8/2003	Pannozzo et al.
D480,125	S		9/2003	Johnson
D484,411	S		12/2003	Haruch
D488,379	S		4/2004	Healy et al.
D489,613	S		5/2004	Campbell et al.
D489,980	S		5/2004	Shurtleff et al.
D490,710	S		6/2004	Bayer et al.
6,758,373	B2		7/2004	Jackson et al.
D497,407	S		10/2004	Mather
6,817,493	B1		11/2004	Parsons et al.
6,820,823	B2		11/2004	Parson et al.
D499,463	S		12/2004	Mather
6,840,462	B2		1/2005	Hurray et al.
D506,389	S	*	6/2005	Geier D9/448
6,908,017	B2		6/2005	Mineau et al.
D509,136	S		9/2005	Walters et al.
D509,139	S		9/2005	Healy et al.
D510,267	S	*	10/2005	Miller et al. D9/448
6,953,159	B2		10/2005	Laidler
6,971,552	B2		12/2005	Meshberg
6,971,560	B1		12/2005	Healy et al.
6,978,916	B2		12/2005	Smith
D513,986	S		1/2006	Healy et al.
7,014,131	B2		3/2006	Berning et al.
7,021,571	B1		4/2006	Lawson et al.
D522,361	S		6/2006	Healy et al.
D523,749	S		6/2006	Kolanus et al.
D524,640	S		7/2006	Paas et al.
D526,900	S		8/2006	Shieh et al.
D527,257	S		8/2006	Yu
7,104,427	B2		9/2006	Pericard et al.
D529,381	S		10/2006	Castillo Higareda et al.
D529,382	S		10/2006	Mineau
7,121,434	B1		10/2006	Caruso
7,143,959	B2		12/2006	Smith et al.
D536,970	S		2/2007	Shannan et al.
7,188,789	B2		3/2007	Schwegler et al.
2002/0130202	A1		9/2002	Kah, Jr. et al.
2003/0121992	A1		7/2003	Woods
2004/0089743	A1		5/2004	Tilton et al.
2004/0195359	A1		10/2004	Curtis
2005/0017027	A1		1/2005	Yerby et al.
2005/0087633	A1		4/2005	Gopalan
2005/0161534	A1		7/2005	Kah, Jr. et al.
2005/0218163	A1		10/2005	Mineau et al.
2005/0218164	A1		10/2005	Morris et al.
2005/0263620	A1		12/2005	Prieto et al.
2006/0038046	A1		2/2006	Curtis
2006/0065765	A1		3/2006	Hester et al.
2006/0091212	A1		5/2006	Gopalan et al.
2006/0289679	A1		12/2006	Johnson et al.
2007/0034649	A1		2/2007	Smith et al.
2007/0034653	A1		2/2007	Strand
2007/0039979	A1		2/2007	Strand et al.
2007/0069049	A1		3/2007	Lipthal et al.

* cited by examiner

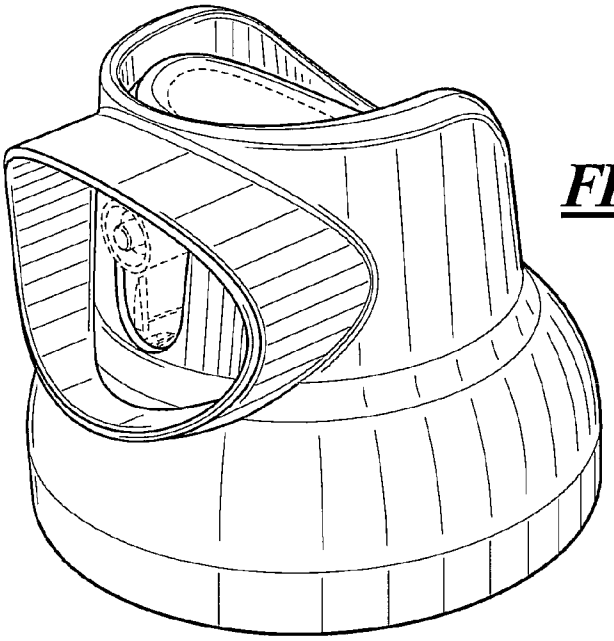


FIG. 1

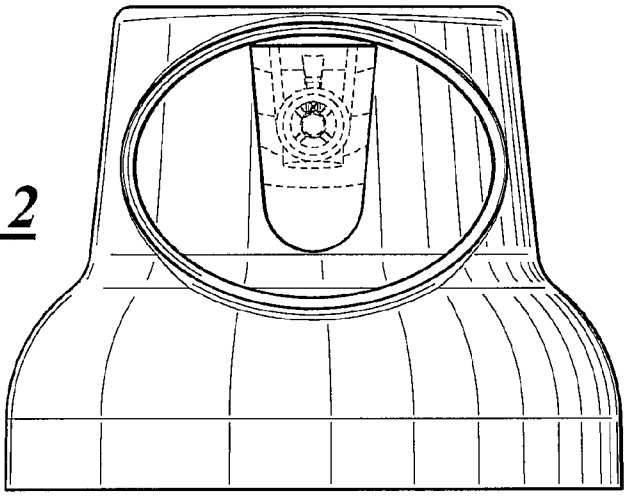


FIG. 2

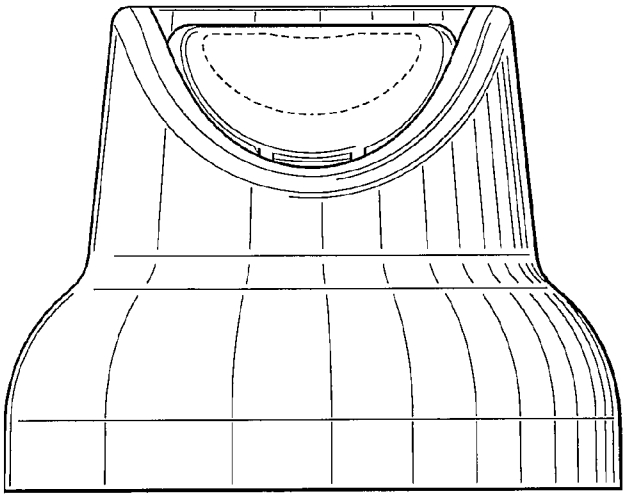


FIG. 3

FIG. 4

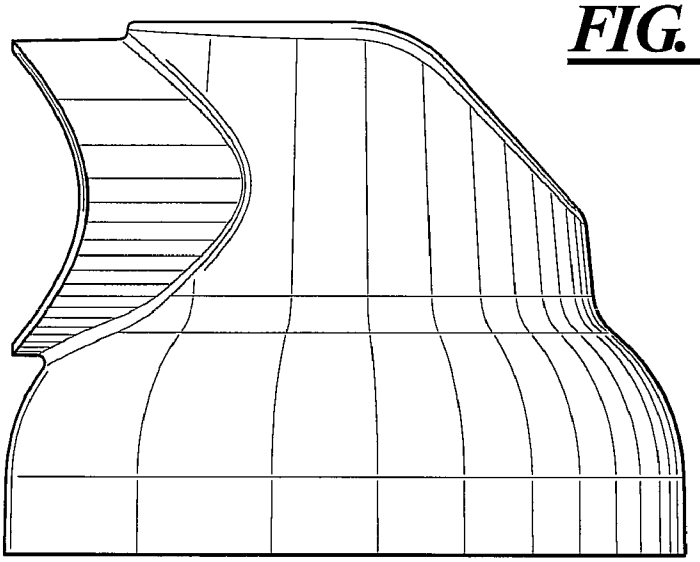


FIG. 5

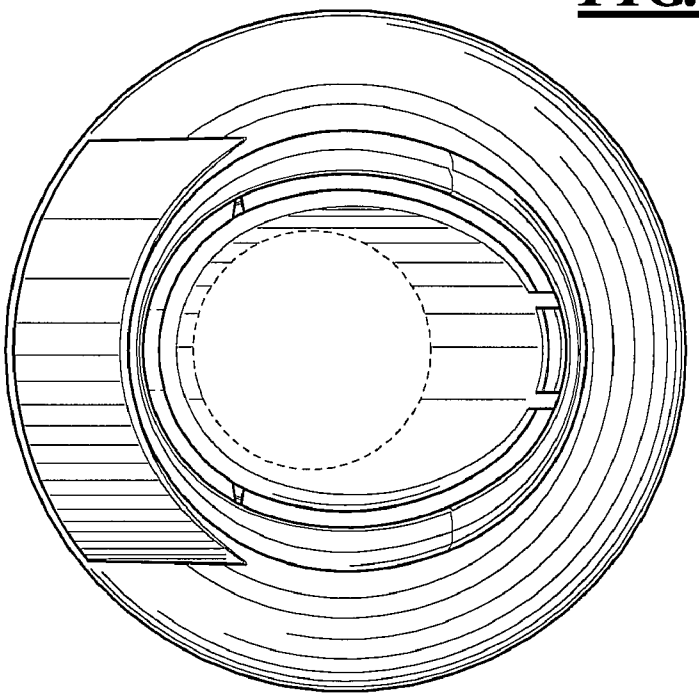
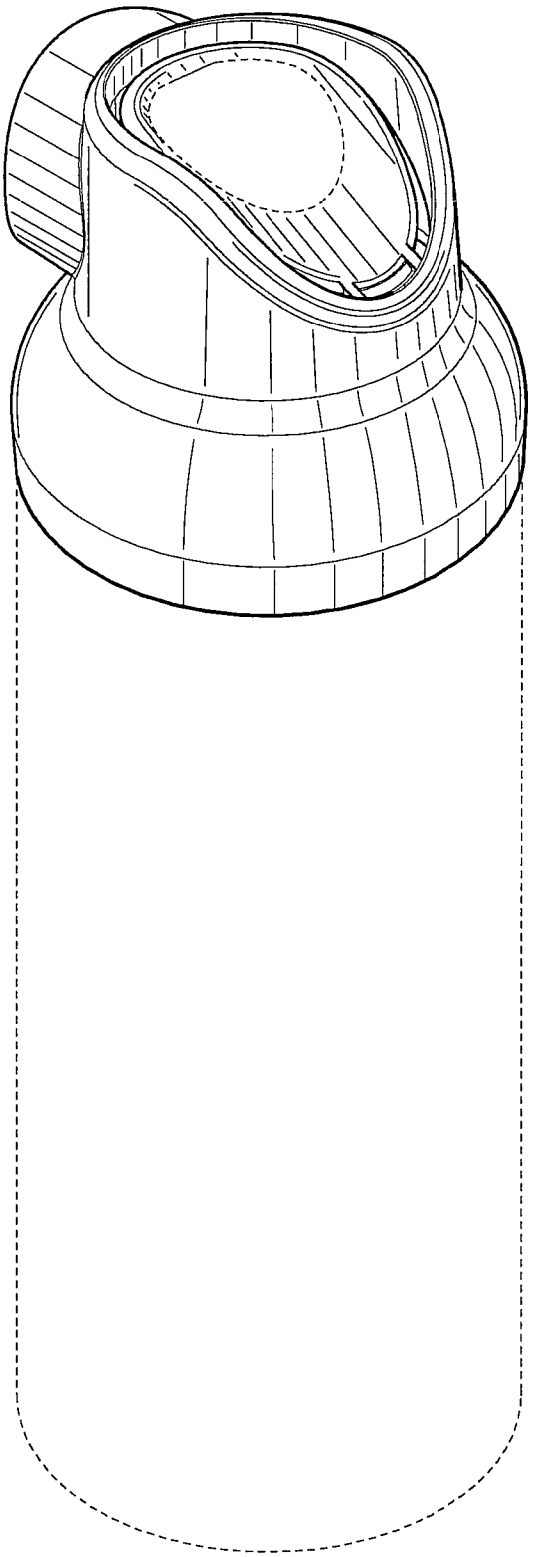



FIG. 6