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(12) **United States Design Patent** (10) **Patent No.:** **US D927,101 S**
Baldwin et al. (45) **Date of Patent:** **** Aug. 3, 2021**

(54) **SPRAYER FOR DISH WASHING MACHINE**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

1,737,257 A 11/1929 Merseles
2,380,090 A 7/1945 Wallace
(Continued)

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FOREIGN PATENT DOCUMENTS

CN 304874999 11/2018
GB 1018885 * 4/1985
(Continued)

(**) Term: **15 Years**

OTHER PUBLICATIONS

(21) Appl. No.: **29/750,922**

Amazon.com: Frigidaire 154754502 Upper Spray Arm Assembly for Dish Washer, review date Feb. 5, 2012, online, [\(22\) Filed: **Sep. 17, 2020**](http://www.amazon.com/.../54754502-Upper-Assembly-Washer/dp/B00545AC8Q/ref= Sr_1_1 ?ie=UTF8&qid=1428964856&sr=8-1 &keywords=dishwasher+sprayer+arm, [site visited Apr. 13, 2015 6:42:52 PM].</p></div>
<div data-bbox=)

(Continued)

Related U.S. Application Data

(62) Division of application No. 29/728,032, filed on Mar. 16, 2020, now Pat. No. Des. 900,417, which is a division of application No. 29/628,612, filed on Dec. 6, 2017, now Pat. No. Des. 882,890, which is a division of application No. 29/548,259, filed on Dec. 11, 2015, now Pat. No. Des. 808,598, which is a division of application No. 29/471,178, filed on Oct. 29, 2013, now Pat. No. Des. 748,351.

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(51) **LOC (13) Cl.** **15-05**

(57) **CLAIM**

(52) **U.S. Cl.**
USPC **D32/3**

The ornamental design for a sprayer for dish washing machine, as shown and described.

(58) **Field of Classification Search**

DESCRIPTION

USPC D32/1-2, 5-6, 8-10, 15-17, 19, 25, 28,
D32/33, 35-36, 53; D7/354; D24/217;
D4/109, 114, 127, 134
CPC .. A61L 2/10; A61C 19/00; A47J 27/00; F26B
11/02; E05B 65/0007; A47L 15/0084;
D06F 39/00; D06F 34/28

FIG. 1 is a perspective of our new design for a sprayer for dish washing machine;

FIG. 2 is a front view thereof, the rear view being a mirror image thereof;

FIG. 3 is a right side view thereof, the left side view being a mirror image thereof; and,

FIG. 4 is a front view thereof.

As shown in the figures, the sprayer has a medallion with a reflective surface, such as polished metal or chrome for example, as represented by the shading. The broken lines depict portions of the sprayer for dish washing machine that form no part of the claimed design.

See application file for complete search history.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,585,608 A 2/1952 Wiegart
 2,637,595 A 5/1953 Fox et al.
 2,905,393 A 9/1959 Federighi
 D196,450 S 10/1963 Claywell
 3,323,529 A 6/1967 Geiger
 D212,121 S 8/1968 Tuthill
 4,145,002 A 3/1979 Noren
 4,418,868 A 12/1983 Gurubathham et al.
 D314,255 S 1/1991 Brito
 5,267,582 A 12/1993 Purtilo
 5,560,381 A 10/1996 Edwards
 D376,451 S 12/1996 Osborn
 5,673,714 A 10/1997 Campagnolo et al.
 D461,284 S 8/2002 Hegeman et al.
 6,869,029 B2 3/2005 Ochoa, Sr.
 7,673,639 B2* 3/2010 Shin A47L 15/23
 134/172
 8,007,598 B2 8/2011 Chen et al.
 D675,386 S 1/2013 Burrows et al.
 D675,387 S 1/2013 Burrows et al.
 8,349,089 B2 1/2013 Bertsch et al.
 D741,556 S 10/2015 Lee et al.
 D748,351 S 1/2016 Baldwin
 D748,352 S 1/2016 Baldwin et al.
 D750,855 S 3/2016 Lee
 9,295,368 B2* 3/2016 Feddema A47L 15/4289
 D761,500 S 7/2016 Feddema et al.
 9,386,903 B2* 7/2016 Feddema A47L 15/4282
 D776,372 S 1/2017 Haft et al.
 9,655,494 B2 5/2017 Haft et al.
 D799,762 S* 10/2017 Baldwin D32/3
 D799,763 S* 10/2017 Haft D32/3
 D799,764 S 10/2017 Haft et al.
 D808,598 S 1/2018 Baldwin et al.
 D836,262 S 12/2018 Lee
 10,149,593 B2* 12/2018 Boyer A47L 15/4261
 10,258,217 B2* 4/2019 Dries F04D 29/247
 10,349,811 B2* 7/2019 Choi A47L 15/22
 10,398,283 B2* 9/2019 Feddema A47L 15/23
 10,575,706 B2 3/2020 Woo et al.
 10,588,480 B2* 3/2020 Lee A47L 15/0018
 D882,890 S 4/2020 Baldwin et al.
 D900,417 S* 10/2020 Baldwin D32/3
 2003/0006305 A1 1/2003 Hegeman et al.
 2004/0000331 A1 1/2004 Elick et al.
 2004/0045586 A1 3/2004 Rappette
 2004/0159338 A1 8/2004 Elick et al.
 2004/0163680 A1 8/2004 Elick et al.
 2005/0051201 A1 3/2005 Ashton et al.
 2005/0126607 A1 6/2005 Haft et al.
 2008/0149148 A1 6/2008 Woo et al.
 2010/0187958 A1 7/2010 Colon
 2011/0226289 A1 9/2011 Forster
 2013/0068259 A1 3/2013 Thiyagarajan
 2013/0180555 A1 7/2013 Lee et al.
 2013/0255734 A1 10/2013 Hermann et al.
 2014/0083470 A1 3/2014 Kim et al.
 2014/0190525 A1 7/2014 Porcaro, II et al.
 2014/0190533 A1 7/2014 Boyer et al.

2015/0164299 A1 6/2015 Naik
 2015/0335269 A1 11/2015 Boydell et al.
 2015/0363022 A1 12/2015 Sebastian et al.
 2017/0020359 A1 1/2017 Choi et al.
 2017/0065147 A1 3/2017 Boyer
 2017/0086640 A1 3/2017 Feddema
 2017/0135552 A1 5/2017 Yu et al.

FOREIGN PATENT DOCUMENTS

JP D1320626 2/2008
 KR 300458286-0000 8/2007
 KR 300558603-0000 4/2010

OTHER PUBLICATIONS

I have a Kenmore Elite 665 16919001 built in dishwasher, conversation dated to 2010, on line, <http://www.justanswer.com/appliance/2m8xn-kenmore-elite-665-16919001-built-dishwasher-lately.html>, [site visited Apr. 13, 2015 6:30:18 PM].
 Whirlpool 675808 Arm Kit—Replacement Dishwasher Wash Arms—Amazon.com, review date Feb. 9, 2012, online, http://www.amazon.com/Whirlpool-675808-Arm-Kit/dp/B00DZU7ODI/ref=Src_1_3?ie=UTF8&qid=1428964856&sr=8-3&keywords=dishwasher+sprayer+arm, [site visited Apr. 13, 2015 6:45:09 PM].
 How to Really Clean Your Dishwasher, post date May 14, 2011, online, <http://dangerismydayjob.blogspot.com/...onths-i-have-noticed-that.html#/2011/05/last-few-months-i-have-noticed-that.html>, [site visited Apr. 13, 2015 7:08:47 PM].
 Amazon UK, Smeg Dishwasher Upper Spray Arm, review Jan. 27, 2015, <https://www.amazon.co.uk/Smeg-Dishwasher-Genuine-number-694570071/dp/B00EO1GUSW>, site visited May 22, 2017.
 Let Me Count The Waves: New GE Dishwasher, GE press release 1092013, <http://pressroom.geappliances.com/news/let-me-count-the-waves:-new-ge-dishwasher-has-102-cleaning-jets-to-thoroughly-clean-your-dishes>, site visited May 22, 2017.
 Dishwasher Spray Arm, ebay site update May 23, 2016, [May 22, 2017 10:10:09 PM], <http://www.ebay.com/...rms=aid%3D222007%26algo%3OSIC.MBE%26ao%3D1%26asc%3D40130%26meid%3D45711005602b4f3a8243468e45a23bda%26pid%3D100011%26rk%3D3%26rkt%3D9%26mehot%3Dlo%26sd%3D111260297912>.
 LG's Quad Wash dishwashers, CNET article date Jan. 4, 2017, <https://www.cnet.com/products/lg-quad-wash-dishwasher/preview/>, site visited May 22, 2017.
 Amazon.com: Frigidaire 154567702 Dishwasher Spray Arm, reviews 2018, <https://www.amazon.com/Frigidaire-154567702-Dishwasher-Equipment-Manufacturer/dp/...> site visited Aug. 8, 2019.
 Amazon.com Whirlpool Dishwasher Spray Arm, website 2019, <https://www.amazon.com/WPW10406822-Whirlpool-Dishwasher-Spray-Arm/dp/B00J8I46...> site visited Aug. 8, 2019.
 AP Wagner Arm-Spray I Whirlpool Corporation, website 2019, https://www.apwagner.com/appliance-part/wpl/wpw10320510?utm_content=buffer8f323&... site visited Aug. 8, 2019.
 Whirlpool WPW10498900 Upper Spray Arm, reviews 2020, site visited Jun. 20, 2020, https://virginiaservicessupply.com/Whirlpool_W10498900_UPR_STRT+SPR_A_p/...

* cited by examiner



FIG 1

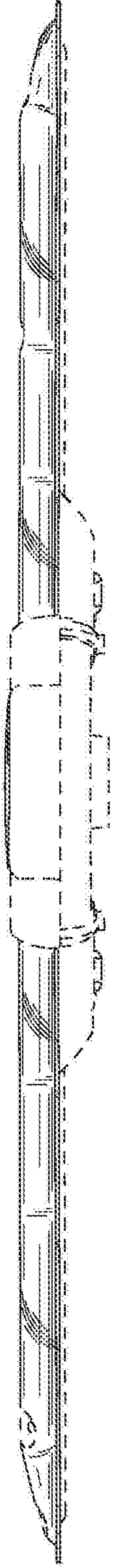


FIG 2



FIG 3

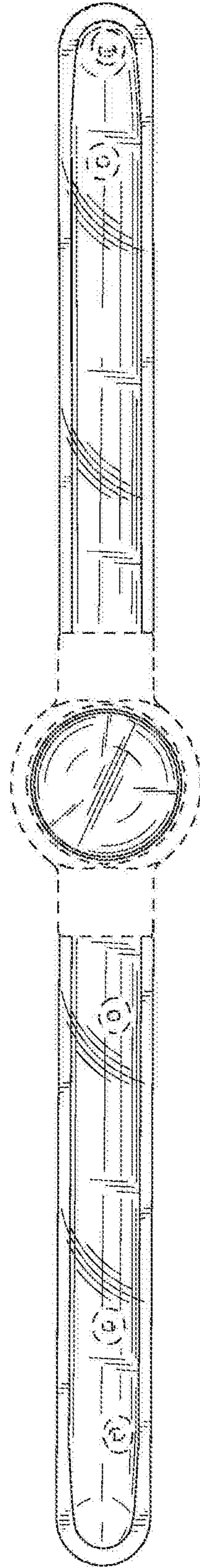


FIG 4