

(12) United States Design Patent (10) Patent No.: US D728,084 S Lyons et al. (45) Date of Patent: ** Apr. 28, 2015

- (54) **CURVED DOOR**
- (71) Applicant: AS IP Holdco, LLC, Piscataway, NJ (US)
- (72) Inventors: Alison J. Lyons, Morristown, NJ (US);Drew Yuhas, Pennington, NJ (US)
- (73) Assignee: AS IP Holdco, LLC, Piscataway, NJ (US)

FOREIGN PATENT DOCUMENTS

DE 4125069 3/1992

OTHER PUBLICATIONS

MTI Baths, Enclosures—Shower Enclosures—Crescent Bow-Front Enclosure—N60BF, http://mtibaths.com/products/enclosures/ shower/N60BF, retrieved on Mar. 11, 2013. MTI Baths, Shower Bases—Designer Shower Bases—MTSB-6027-36, http://mtibaths.com/products/shower-bases/designer/MTSB-

- (**) Term: 14 Years
- (21) Appl. No.: **29/459,399**
- (22) Filed: Jun. 28, 2013
- (52) U.S. Cl. USPC D23/305
- (58) Field of Classification Search USPC D23/275, 279, 283, 303, 305; 49/40–41, 409–412, 370; D25/48.1, D25/48.3; 160/201, 214; 4/552, 557, 607, 4/610, 661

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D217,866 S 6/1970 Myers 4,807,312 A * 2/1989 Baus 4/607 6027-36, retrieved on Mar. 11, 2013.

Fleurco, Novara, Bowfront 60, Curved Door and Panel, http:// fleurco.com/shower-doors/novara-bowfront-60.aspx, retrieved on Mar. 11, 2013.

Fleurco, Roma, Bowfront, Curved Door and Panel, http://fleurco. com/shower-doors/roma-bowfront.aspx, retrieved on Mar. 11, 2013. Fleurco, Banyo, Amalfi Bowfront, Semi-Frameless Curved Sliding Door With Return Panel, http://fleurco.com/shower-doors/banyoamalfi-bowfront-2-sides-semi-frameless-sliding-door.aspx, retrieved on Mar. 11, 2013.

Fleurco, Sorrento, Bowfront, Curved Door and Panel With Return Panel, http://fleurco.com/shower-doors/Bowfront-Curved-Doorand-Panel-with-Return-panel-131.aspx, retrieved on Mar. 11, 2013. Fleurco, Bowfront Acrylic Shower Base, http://fleurco.com/bases/ Bowfront-Acrylic-Shower-Base.aspx, retrieved on Mar. 11, 2013. English abstract of DE4125069 (A1).

* cited by examiner

(57)

Primary Examiner — Robert Delehanty
(74) *Attorney, Agent, or Firm* — Ladas & Parry LLP

4,882,795	А	11/1989	Baus
4,974,269	Α	12/1990	Baus
D352,548	S	11/1994	Pinsky et al.
D374,917	S	10/1996	Casden
5,575,022	A *	11/1996	Duffy et al 4/607
D392,724	S	3/1998	Lenardon
6,023,889	А	2/2000	Husting et al.
D444,862	S	7/2001	Slothower
6,698,037	B2	3/2004	Lippe
6,792,721	B1 *	9/2004	Montanari 4/613
D571,441	S	6/2008	Sauvageau et al.
D590,052	S *	4/2009	Murphy D23/283
8,495,772	B2 *	7/2013	Boonstra 4/557
D709,601	S *	7/2014	Sullivan D23/305
2003/0208842	A1	11/2003	Laws
2010/0031438	A1	2/2010	Boonstra

CLAIM

We claim the ornamental design for a curved door, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view showing our new design according to a first embodiment, in particular showing a perspective view of a curved bypass door with both (sliding) doors closed. FIG. 2 is a front view showing our new design according to the first embodiment, in particular showing a front view of a curved bypass door with both doors closed.



US D728,084 S

Page 2

FIG. 3 is a back view showing our new design according to the first embodiment, in particular showing a back view of a curved bypass door with both doors closed.

FIG. 4 is a left side view showing our new design according to the first embodiment.

FIG. **5** is a right side view showing our new design according to the first embodiment.

FIG. **6** is a top view showing our new design according to the first embodiment.

FIG. 7 is a bottom view showing our new design according to the first embodiment.

FIG. 8 is a perspective view showing our new design accord-

FIG. 22 is a perspective view showing our new design according to a third embodiment, in particular showing a perspective view of a curved door with one side (the left door) fixed and the right (sliding) door closed.

FIG. 23 is a front view showing our new design according to the third embodiment, in particular showing a front view of a curved door with one side (the left door) fixed and the right door closed.

FIG. 24 is a back view showing our new design according to the third embodiment, in particular showing a back view of a curved door with one side (the left door) fixed and the right door closed.

ing to the first embodiment, in particular showing a perspective view of a curved bypass door with both doors closed and a wall surround and tub base shown in broken lines. FIG. 9 is a perspective view showing our new design according to the first embodiment, in particular showing a perspective view of a curved bypass door with both doors closed and a wall surround and shower base shown in broken lines. FIG. 10 is a perspective view showing our new design according to the first embodiment, in particular showing a perspective view of a curved bypass door with the right door open. FIG. 11 is a perspective view showing our new design according to the first embodiment, in particular showing a perspective view of a curved bypass door with the left door open. FIG. 12 is a perspective view showing our new design according to a second embodiment, in particular showing a perspective view of a curved door with one side (the right door) fixed and the left (sliding) door closed.

FIG. **13** is a front view showing our new design according to the second embodiment, in particular showing a front view of a curved door with one side (the right door) fixed and the left door closed.

FIG. 14 is a back view showing our new design according to the second embodiment, in particular showing a back view of a curved door with one side (the right door) fixed and the left door closed. FIG. 15 is a left side view showing our new design according to the second embodiment. FIG. 16 is a right side view showing our new design according to the second embodiment. FIG. 17 is a top view showing our new design according to the second embodiment with the left door closed. FIG. **18** is a bottom view showing our new design according to the second embodiment with the left door closed. FIG. 19 is a perspective view showing our new design according to the second embodiment, in particular showing a perspective view of a curved door with one side (the right door) fixed and the left door open. FIG. 20 is a perspective view showing our new design according to the second embodiment, in particular showing a perspective view of a curved door with one side (the right door) fixed and the left door closed and a wall surround and shower base shown in broken lines.

FIG. **25** is a left side view showing our new design according to the third embodiment.

FIG. **26** is a right side view showing our new design according to the third embodiment.

FIG. **27** is a top view showing our new design according to the third embodiment with the right door closed. FIG. **28** is a bottom view showing our new design according

to the third embodiment with the right door closed.

FIG. **29** is a perspective view showing our new design according to the third embodiment, in particular showing a perspective view of a curved door with one side (the left door) fixed and the right door open.

FIG. **30** is a perspective view showing our new design according to the third embodiment, in particular showing a perspective view of a curved door with one side (the left door) fixed and the right door closed and a wall surround and shower base shown in broken lines.

FIG. 31 is a perspective view showing our new design according to the third embodiment, in particular showing a perspective view of a curved door with one side (the left door) fixed and the right door closed and a wall surround and tub base shown in broken lines. FIG. 32 is a perspective view showing our new design according to a fourth embodiment, in particular showing a perspective view of a curved bypass door with both (sliding) doors closed and knobs shown in solid lines. FIG. 33 is a front view showing our new design according to the fourth embodiment, in particular showing a front view of a curved bypass door with both doors closed. FIG. 34 is a back view showing our new design according to the fourth embodiment, in particular showing a back view of a curved bypass door with both doors closed. FIG. 35 is a left side view showing our new design according to the fourth embodiment. FIG. 36 is a right side view showing our new design according to the fourth embodiment. FIG. 37 is a top view showing our new design according to the fourth embodiment; and, FIG. **38** is a bottom view showing our new design according to the fourth embodiment.

FIG. **21** is a perspective view showing our new design according to the second embodiment, in particular showing a perspective view of a curved door with one side (the right door) fixed and the left door closed and a wall surround and tub base shown in broken lines.

The curved door is particularly usable with a shower or tub. The broken lines shown in the drawings represent unclaimed portions of the design.

1 Claim, 30 Drawing Sheets

U.S. Patent Apr. 28, 2015 Sheet 1 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 2 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 3 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 4 of 30 US D728,084 S





	£3//		57

FIG.4





U.S. Patent Apr. 28, 2015 Sheet 5 of 30 US D728,084 S



FIG.6



U.S. Patent Apr. 28, 2015 Sheet 6 of 30 US D728,084 S



U.S. Patent US D728,084 S Apr. 28, 2015 Sheet 7 of 30

.

.

.

•



U.S. Patent Apr. 28, 2015 Sheet 8 of 30 US D728,084 S





U.S. Patent Apr. 28, 2015 Sheet 9 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 10 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 11 of 30 US D728,084 S





U.S. Patent Apr. 28, 2015 Sheet 12 of 30 US D728,084 S





U.S. Patent Apr. 28, 2015 Sheet 13 of 30 US D728,084 S









FIG.15



U.S. Patent Apr. 28, 2015 Sheet 14 of 30 US D728,084 S



FIG.17



U.S. Patent Apr. 28, 2015 Sheet 15 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 16 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 17 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 18 of 30 US D728,084 S



FIG.22

U.S. Patent Apr. 28, 2015 Sheet 19 of 30 US D728,084 S



U.S. Patent US D728,084 S Apr. 28, 2015 Sheet 20 of 30



FIG.24

U.S. Patent Apr. 28, 2015 Sheet 21 of 30 US D728,084 S









FIG.25



U.S. Patent Apr. 28, 2015 Sheet 22 of 30 US D728,084 S



FIG.27



U.S. Patent Apr. 28, 2015 Sheet 23 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 24 of 30 US D728,084 S





U.S. Patent Apr. 28, 2015 Sheet 25 of 30 US D728,084 S



FIG.31

.

U.S. Patent Apr. 28, 2015 Sheet 26 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 27 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 28 of 30 US D728,084 S



U.S. Patent Apr. 28, 2015 Sheet 29 of 30 US D728,084 S





С

(L)		

FIG.35





U.S. Patent Apr. 28, 2015 Sheet 30 of 30 US D728,084 S



.

FIG.37



FIG.38

.

.