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(12) United States Patent

Sloan, Jr.

(54) LOW PROFILE ATTACHMENT FOR EMITTING WATER

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 10 days.

This patent is subject to a terminal disclaimer.

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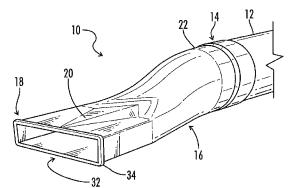
Related U.S. Application Data

- (63) Continuation of application No. 12/620,327, filed on Nov. 17, 2009, now Pat. No. 8,251,302, which is a continuation-in-part of application No. 12/262,621, filed on Oct. 31, 2008, now Pat. No. 7,748,650, which is a continuation of application No. 11/561,313, filed on Nov. 17, 2006, now Pat. No. 7,458,532.
- (51) Int. Cl.

B05B 1/04

(2006.01)

See application file for complete search history.



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References Cited

(56)

U.S. PATENT DOCUMENTS

455,910 A	7/1891	Gordon
577,362 A	2/1897	Ettlinger
749,232 A	1/1904	Shaw
1,033,195 A	7/1912	Robinson
1,239,373 A	9/1917	Farmer et al.
1,273,200 A	7/1918	Symonds
2,116,863 A	5/1938	Dinley
2,397,655 A	4/1946	Francis
2,586,145 A	2/1952	Breuer et al.
2,655,408 A	10/1953	Williams
2,661,225 A	12/1953	Lyon
2,814,529 A	11/1957	Árnt
3,861,419 A	1/1975	Johnson
4,112,568 A	9/1978	Hale
4,247,136 A	1/1981	Fouss et al.
4,273,367 A	6/1981	Keeney et al.
4,480,855 A	11/1984	Rosenbaum
4,575,133 A	3/1986	Nattel
4,688,720 A	8/1987	MacDonald
5,031,426 A	7/1991	Wilson
5,150,930 A	9/1992	Petty et al.
5,332,270 A	7/1994	Petty et al.
5,358,007 A	10/1994	Carlberg
5,375,891 A	12/1994	Sicotte
5,387,016 A	2/1995	Joseph et al.
5,658,092 A	8/1997	Sweers
	(C	41
	- (Con	tinued)

(Continued)

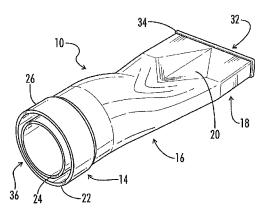
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(57) ABSTRACT

The present invention provides an attachment for emitting water from a water source. The attachment comprises an inlet end, a transitional section connected to the inlet end an outlet end connected to the transitional section opposite from the inlet end, and a reinforcement member attached to the transitional sectional and the outlet end to support the transitional section. The inlet end includes an external cover and an internal sleeve disposed within and spaced from the external cover.

11 Claims, 4 Drawing Sheets



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(56) **References Cited**

U.S. PATENT DOCUMENTS

5,823,580 A	10/1998	Ungerecht
5,862,632 A	1/1999	Zima
5,915,735 A	6/1999	Noble
6,007,110 A	12/1999	Amatsutsu

 6,202,358
 B1
 3/2001
 Janesky

 6,612,075
 B1
 9/2003
 Knoop et al.

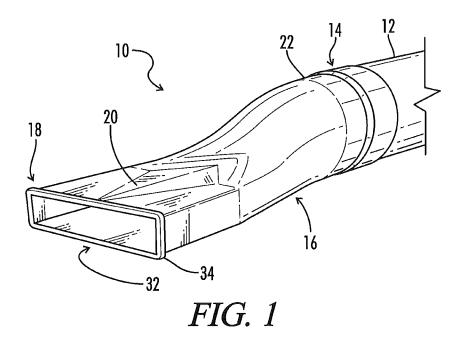
 7,017,949
 B2
 3/2006
 Luft et al.

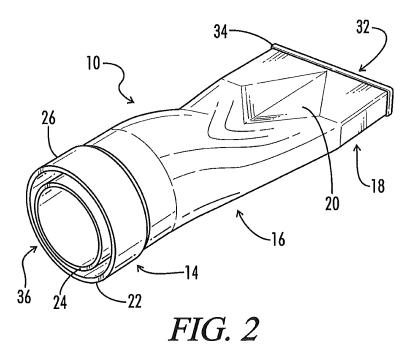
 7,458,532
 B2
 12/2008
 Sloan

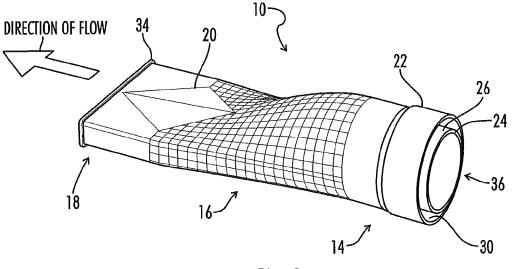
 7,748,650
 B1
 7/2010
 Sloan

 8,251,302
 B2*
 8/2012
 Sloan, Jr.
 239/593

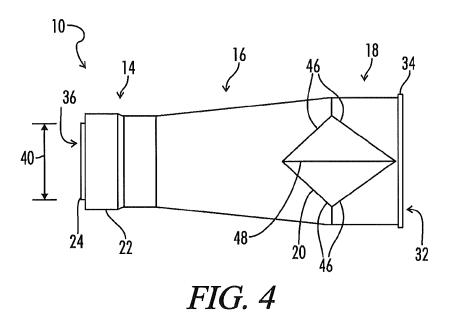
* cited by examiner



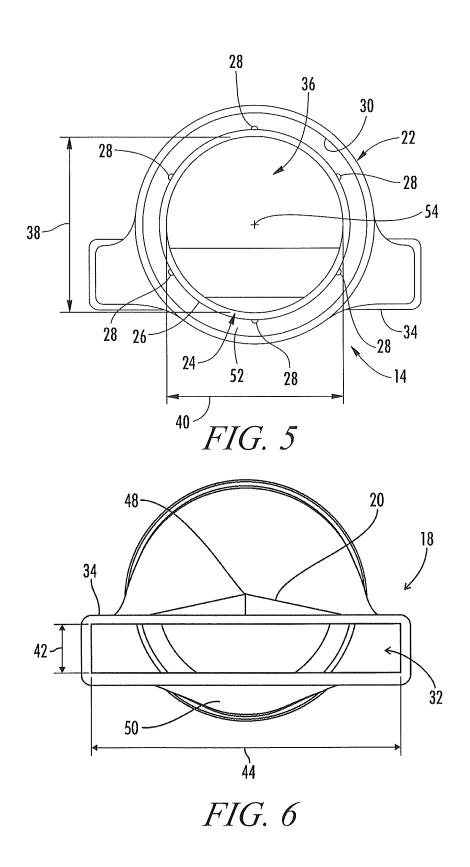








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