



(10) **Patent No.:** US 8,191,849 B1
(45) **Date of Patent:** Jun. 5, 2012

- | | | | | |
|-----------|-----|--------|-----------------|---------|
| 718,753 | A | 1/1903 | Foss | |
| 859,660 | A | 7/1907 | Hill | |
| 911,508 | A * | 2/1909 | Look | 248/167 |
| 1,908,587 | A * | 5/1933 | Olier, Jr. | 248/342 |
| 3,374,620 | A | 3/1968 | Gower | |

3,692,269	A	*	9/1972	Hales	248/691
3,907,118	A		9/1975	Pelavin	211/113
4,005,843	A		2/1977	Wengel	248/220
D250,742	S	*	1/1979	Wendler	D8/372
4,174,087	A		11/1979	Gaines	248/339
4,385,742	A		5/1983	Rocquin	248/318
4,880,192	A		11/1989	Vom Braucke et al.	248/110
4,887,785	A		12/1989	Blaich	248/339
5,330,244	A		7/1994	Rodwell	294/143
D375,889	S	*	11/1996	Miller et al.	D8/367
5,664,304	A		9/1997	Tamborino	24/599.1
6,230,440	B1		5/2001	Deutsch	47/67
D444,052	S		6/2001	Catlett	D8/367
6,540,189	B2		4/2003	Hsiang	248/318
6,601,814	B2		8/2003	Kovacik et al.	248/339
6,866,940	B1	*	3/2005	Laughlin	428/542.2
7,770,305	B1	*	8/2010	Krauss	34/60

(57) **ABSTRACT**

17 Claims, 1 Drawing Sheet

