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Roeber

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(54) **COMPACT SWIVEL UNIT WITH PIN-LESS STOWING LOBES FOR A TOW BAR**

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

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(52) **U.S. Cl.**
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224/537; 135/88.05; 150/166
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,444,086	A	6/1948	Baker, Jr.	
2,746,771	A	5/1956	Gross	
3,782,761	A *	1/1974	Cardin, Sr.	280/507
4,200,306	A	4/1980	Helms	
4,711,461	A	12/1987	Fromberg	
D326,834	S *	6/1992	Kuhlemeier et al.	D12/162
5,186,483	A	2/1993	Sheppard	
5,516,140	A	5/1996	Hinte	
5,531,283	A	7/1996	Austin et al.	
RE35,482	E	3/1997	Johnson	
5,765,851	A	6/1998	Parent	

5,957,477	A	9/1999	Ensz et al.	
6,203,049	B1	3/2001	Gibson	
6,764,092	B1	7/2004	Greaves, Jr.	
6,877,758	B2	4/2005	Colistro	
7,125,031	B1	10/2006	Schoonover	
D576,085	S *	9/2008	Devlin	D12/162
7,445,226	B1	11/2008	Hahne et al.	
7,455,313	B2 *	11/2008	Yokosh et al.	280/507
D591,208	S *	4/2009	Wubker, Jr.	D12/162
D612,775	S *	3/2010	Davis	D12/162
D628,128	S *	11/2010	Sanders et al.	D12/162
7,959,180	B1	6/2011	Huston et al.	
D688,168	S *	8/2013	Buschman	D12/162
2007/0194557	A1	8/2007	Caporali et al.	
2010/0225092	A1	9/2010	Hudson	
2012/0049484	A1 *	3/2012	Brass	280/507

* cited by examiner

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(57) **CLAIM**

I claim the ornamental design for a compact swivel unit with pin-less stowing lobes for a tow bar, as shown and described.

DESCRIPTION

This application is being filed concurrently with utility patent application Ser. No. 13/385,046.

FIG. 1 is a perspective view of a compact swivel unit with pin-less stowing lobes for a tow bar showing my new design; the broken lines in FIGS. 1 and 8 depict environmental structure for illustrative purposes only and form no part of the claimed design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a side elevational view thereof;

FIG. 5 is an elevational view of the opposing side thereof;

FIG. 6 is a front elevational view thereof;

FIG. 7 is a rear elevational view thereof; and,

FIG. 8 is a perspective view thereof in a stowed configuration.

1 Claim, 2 Drawing Sheets





