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Cashman

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(54) **RAPID INSTALL MANTLE**
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See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
420,775 A * 2/1890 Dambach 52/36.3
591,358 A * 10/1897 Parker 52/36.3
827,369 A * 7/1906 Holbein et al. 52/36.3
3,224,429 A * 12/1965 Quittner 126/551
4,254,596 A * 3/1981 Wright et al. 52/36.3
4,821,472 A * 4/1989 Tix 52/204.55
4,873,803 A * 10/1989 Rundo 52/202

4,999,957	A *	3/1991	Kessler	.....	52/213
5,069,013	A *	12/1991	Pliml, Jr.	.....	52/214
5,119,603	A *	6/1992	Jones	.....	52/36.3
5,397,093	A *	3/1995	Chubb et al.	.....	248/544
5,572,840	A *	11/1996	Fast et al.	.....	52/213
6,112,481	A *	9/2000	Schiedegger et al.	.....	52/211
6,161,344	A *	12/2000	Blanchett	.....	52/97
6,295,777	B1 *	10/2001	Hunter et al.	.....	52/519
6,371,188	B1 *	4/2002	Baczuk et al.	.....	160/92
6,796,088	B2 *	9/2004	Richmond et al.	.....	52/36.3
6,904,726	B2 *	6/2005	Heard et al.	.....	52/211
6,932,310	B1 *	8/2005	Diss	.....	248/301
7,146,774	B2 *	12/2006	Fredette	.....	52/656.6
2004/0206025	A1 *	10/2004	Panto	.....	52/211
2009/0205263	A1 *	8/2009	Heath et al.	.....	52/36.3

FOREIGN PATENT DOCUMENTS

FR 2589191 A1 * 4/1987
JP 05141078 A * 6/1993

* cited by examiner

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(57) **ABSTRACT**

A prefabricated mantle unit has a base (36, 40) and a top plate (44) extending forwardly from the top of the base. A decorative strip (56) is oriented obliquely between the front of the top plate and the bottom of the base, with the lower edge (48) of the strip and the bottom (54) of the base forming a lower channel (50). The top element (16) of the surround (12) and the nailing flange (28) of the window box project above the top edge (24) of the window box, forming a box channel (26). The upward projection (22) of the top element is received within the lower channel (50) of the mantle unit, and a downward projecting portion (54) of the mantle base is received within the box channel (26).

18 Claims, 1 Drawing Sheet

