

LIS009496695B2

(12) United States Patent

Battaglia

(10) Patent No.: US 9,496,695 B2

(45) Date of Patent: Nov. 15, 2016

(54) ELECTRICAL OUTLET BOX ACOUSTIC SEAL

- (75) Inventor: Paul L. Battaglia, Amherst, NY (US)
- (73) Assignee: STC Architectural Products, LLC,

Buffalo, NY (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 1129 days.

- (21) Appl. No.: 13/584,290
- (22) Filed: Aug. 13, 2012

(65) Prior Publication Data

US 2014/0041927 A1 Feb. 13, 2014

(51)	Int. Cl.	
	H02G 3/22	(2006.01)
	H05K 3/38	(2006.01)
	H02G 3/08	(2006.01)
	H02G 3/14	(2006.01)

(52) **U.S. Cl.** CPC *H02G 3/088* (2013.01); *H02G 3/14* (2013.01)

(56) References Cited

U.S. PATENT DOCUMENTS

2,983,399 A	5/1961	Slater et al.
3,489,242 A *	1/1970	Gladding B32B 15/08
4 1 6 2 1 2 7 1 4 1	7/1070	181/208
4,163,13/ A *	//19/9	Close, Jr H02G 3/123
1 265 365 A *	5/1081	Boteler H02G 3/088
4,205,505 A	3/1961	174/53
4.293.173 A *	10/1981	Tricca H01R 13/443
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10/10/	174/67
4,442,647 A *	4/1984	Olsen B64C 1/40

			244/119
4,484,021 A	*	11/1984	Schaefer H02G 3/18
, ,			174/53
4,616,104 A	*	10/1986	Lindsey H02G 3/125
1,010,101 71		10/1500	174/503
4,642,418 A	*	2/1987	
4,042,418 A		2/198/	
4 665 040 4		5/1005	174/503
4,667,840 A	*	5/1987	,
			174/504
4,794,207 A	*	12/1988	Norberg H02G 3/125
			174/505
4,863,535 A		9/1989	More
5,004,115 A	*	4/1991	L'Heureux H02G 3/22
2,00.,112		1001	220/3.3
5,111,627 A	*	5/1992	Brown E04F 15/02005
3,111,027 A		3/1332	52/126.5
5 226 076 A		7/1002	
5,226,076 A	*	7/1993	Baumhauer, Jr. et al.
5,343,713 A	*	9/1994	Okabe F24F 13/24
			181/206
5,496,389 A	n)¢	3/1996	Wilcox B01D 46/0002
			55/473
5,697,194 A		12/1997	Gignac et al.
5,813,180 A		9/1998	Whitney et al.
5,906,287 A	*	5/1999	Kohnen H02G 3/14
5,500,207 11		2, 1, 2, 2, 2	206/223
			200/223

(Continued)

Trademark Soundproofing, "Accoustical Outlet Backer Putty Pads", http://www.tmsoundproofing.com/Acoustical-Outlet-Backer-Putty-Pads.html, downloaded from Internet on Mar. 9, 2012, 2 pages.

OTHER PUBLICATIONS

(Continued)

Primary Examiner — Timothy Thompson
Assistant Examiner — Rhadames J Alonzo Miller

(57) ABSTRACT

An electrical outlet box acoustic seal includes a seal body formed from a flexible sound suppressing material. The seal body has a front side, a rear side, and a peripheral edge. A seal rear projection extends from the seal rear side. The seal rear projection is configured to wrap around a front peripheral edge of an electrical outlet box having left and right sides, top and bottom sides, a rear side, and an open front defined by the outlet box front peripheral edge that provides

