



US008100296B2

(12) **United States Patent**
Summons et al.

(10) **Patent No.:** **US 8,100,296 B2**
(45) **Date of Patent:** **Jan. 24, 2012**

(54) **SYSTEM AND METHOD OF PROVIDING INDIVIDUAL QUANTITIES OF CUSTOM COLORED SEALING COMPOUND**

| | | | |
|----------------|--------|------------------|-----------|
| 5,735,320 A * | 4/1998 | Tune et al. | 141/330 |
| 5,909,753 A | 6/1999 | Rossi et al. | |
| 6,269,979 B1 * | 8/2001 | Dumont | 222/145.1 |
| 6,372,270 B1 * | 4/2002 | Denny | 426/77 |

(75) Inventors: **Wayne Summons**, Thornton, CO (US);
Elliot Summons, Centennial, CO (US);
Heather E. Burik, Thornton, CO (US)

FOREIGN PATENT DOCUMENTS

| | | |
|----|---------------|--------|
| EP | 01551645 | 7/2005 |
| KR | 1020010088828 | 9/2001 |
| WO | 2006/090180 | 8/2006 |

(73) Assignee: **Sashco, Inc.**, Brighton, CO (US)

OTHER PUBLICATIONS

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration for PCT/US09/38120 mailed Nov. 10, 2009.
Supplementary European Search Report dated Aug. 31, 2011 for application No. EP 09725554, 3 pp.

(21) Appl. No.: **12/410,301**

* cited by examiner

(22) Filed: **Mar. 24, 2009**

(65) **Prior Publication Data**

Primary Examiner — Kevin P Shaver
Assistant Examiner — Melvin Cartagena

US 2010/0018995 A1 Jan. 28, 2010

(74) *Attorney, Agent, or Firm* — Holland & Hart LLP

Related U.S. Application Data

(63) Continuation of application No. 12/053,865, filed on Mar. 24, 2008.

(57) **ABSTRACT**

(51) **Int. Cl.**
A47G 19/00 (2006.01)

A system and method for providing custom colored sealant are generally provided with a dispensing container, containing a quantity of sealant base solution. A nozzle, is shaped and sized to be removably secured with an open end portion of the dispensing container. A supplemental container is provided that contains a quantity of sealant thickener. A transfer pipette may be provided for selectively transferring a coloring agent to the dispensing container. The coloring agent may be mixed with the sealant base solution by agitating the dispensing container, until a desired color is attained. The sealant thickener may then added and mixed by similar agitation of the dispensing container. The nozzle is then coupled with the dispensing container and the custom-colored sealant is ready to be dispensed.

(52) **U.S. Cl.** **222/142.1**; 222/543; 220/23.83; 215/6

(58) **Field of Classification Search** 222/129, 222/142.1, 543, 327; 220/23.83; 215/6
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|---------------|--------|------------------|---------|
| 5,129,520 A * | 7/1992 | Gaspar | 206/534 |
| 5,303,869 A * | 4/1994 | Hudson, Jr. | 239/391 |

18 Claims, 17 Drawing Sheets

