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United States Patent [19]

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Hoback et al.

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[54] **DISPOSABLE SELF-DISPENSING PRESSURIZED PACKAGE FOR DELIVERY OF STERILE FLUIDS AND SOLUTIONS**

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[*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,497,912.

[57] ABSTRACT

The present invention is directed to a pressurized, disposable packaging system to dispense sterile fluids used in surgical procedures. The system consists of an inside, sealed bladder bag which contains the sterile fluid, and an outer bag which encloses, encapsulates and stabilizes the inner bag. The outer and inner bag share a common side seam. The outer pressure bag becomes air tight and sealed when connected to an external pressure device. The external pressure device causes pressure to be applied to an air space between the outer and the inner bag, thereby causing a force against the inner bag to expel the material through at least one exit port communicating the exterior of the outer bag to the interior of the inner bag. The outer bag also includes a pressure port for introducing pressurized gas or other fluid into the air space to force the sterile fluid within the inner bag out through the exit port.

[21] Appl. No.: **610,458**

[22] Filed: **Mar. 4, 1996**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 326,257, Oct. 20, 1994, Pat. No. 5,497,912.

[51] **Int. Cl.⁶** **B65D 35/28**

[52] **U.S. Cl.** **222/95; 222/209; 604/141**

[58] **Field of Search** **222/95, 209, 386.5, 222/394, 401; 604/141**

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20 Claims, 4 Drawing Sheets

