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United States Patent [19]

Navis

[11] **Patent Number:** 5,676,159[45] **Date of Patent:** Oct. 14, 1997[54] **ULTRASOUND COVER**[75] **Inventor:** John A. Navis, Naperville, Ill.[73] **Assignee:** Janin Group, Aurora, Ill.[21] **Appl. No.:** 743,304[22] **Filed:** Nov. 5, 1996[51] **Int. Cl.⁶** A61F 5/37[52] **U.S. Cl.** 128/846; 128/849; 128/856[58] **Field of Search** 128/849-856,
128/662.06[56] **References Cited****U.S. PATENT DOCUMENTS**

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A flexible polyurethane cover with a closed end that is contact clear for establishing sterility while using an ultrasound probe. The cover has gel prepositioned inside the contact clear polyurethane closed end. A drape can be attached to the contact clear cover. A method of making such a cover including folding a contact clear polyurethane sheet over itself and securing the side edges to form a compartment with a closed end, inverting the cover as necessary to position the seams inside the cover, applying a gel into the closed end portion of the cover, and sterilizing the cover without affecting the gel by applying a dry heat in a slow persistent manner after the gel is already in the cover.

16 Claims, 1 Drawing Sheet