



US006132378A

**United States Patent** [19]  
**Marino**

[11] **Patent Number:** **6,132,378**  
[45] **Date of Patent:** **Oct. 17, 2000**

[54] **COVER FOR ULTRASOUND PROBE**

5,795,632 8/1998 Buchalter ..... 428/35.2

[76] Inventor: **Sharon Marino**, 4311 Summit St.,  
Pittsburgh, Pa. 15201

*Primary Examiner*—Marvin M. Lateef  
*Assistant Examiner*—Maulin Patel  
*Attorney, Agent, or Firm*—Buchanan Ingersoll, P.C.

[21] Appl. No.: **09/131,612**

[57] **ABSTRACT**

[22] Filed: **Aug. 10, 1998**

[51] **Int. Cl.<sup>7</sup>** ..... **A61B 8/00**

[52] **U.S. Cl.** ..... **600/459**

[58] **Field of Search** ..... 600/459, 437,  
600/458, 460, 461; 428/35.2

A cover for an ultrasound probe is cup shaped and has an opening in the cup base. The cover is configured to fit onto the probe and maintain the cover on the probe with the cup base being a selected distance from the probe base to define a volume between the probe base and the cup base. A pliable, sound conductive membrane is attached to the cup adjacent the base and covers the opening. The membrane is sized to substantially fill the volume between the probe base and the cup base so that when the cup is attached to the ultrasound probe the probe base will be in contact with the membrane. The membrane is sufficiently pliable such that when placed on a portion of the human body the membrane will conform to that portion of a human body against which the membrane is placed.

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,796,632	1/1989	Boyd et al. ....	600/437
4,867,169	9/1989	Machida et al. ....	600/459
4,887,615	12/1989	Taylor .	
5,265,614	11/1993	Hayakawa et al. .	
5,655,539	8/1997	Wang et al. .	
5,676,159	10/1997	Navis .....	600/437
5,775,328	7/1998	Lowe et al. ....	600/459

**10 Claims, 2 Drawing Sheets**

