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Schmid

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[54] **PROCESS FOR MANUFACTURING A BODY ELECTRODE**

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Related U.S. Application Data

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[30] **Foreign Application Priority Data**

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[52] **U.S. Cl.** **264/255**; 264/271.1; 264/279.1; 264/308; 128/640

[58] **Field of Search** 264/272.11, 275, 277, 264/278, 271.1, 279, 279.1, 299, 308, 255; 128/640, 641

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[57] **ABSTRACT**

A process for manufacturing a body electrode is provided. The body electrode includes one or more galvanically active sensors which are combined with a first layer capable of adhering to the skin on the body contact side of said sensors and a second layer on the side of said sensors opposite the body contact side. The first layer comprises an electrically conductive, adherent, elastic hydrophilic material. The second layer is a covering or supporting layer and comprises an elastic non-adherent material. According to the present invention, the layer adhering to the skin and the covering or supporting layer are cast in a mold during manufacture of the electrode. This process eliminates the problems encountered with the prior art stamping process, especially in stamping the conductive layer which adheres to the skin.

31 Claims, No Drawings