Thin metal membrane with support

Abstract

The present invention relates, generally, to a component comprising a composite of at least two layers that are connected to each other, whereby a. the first layer comprises a hole, b. the second layer has a thickness in the range of 1 to 50 µm, whereby the first layer and the second layer each comprise at least one metal and whereby the composition of the first layer differs from the composition of the second layer. Further objects of the present invention include a method for producing a component comprising at least two layers that are connected to each other and have the aforementioned features, a method for producing a component comprising at least three layers that are connected to each other and have the aforementioned features, as well as a component that can be obtained by means of one of the aforementioned methods and the use of at least one of the aforementioned components in a living body or for producing an implant for use in a living body.

Fig. 3