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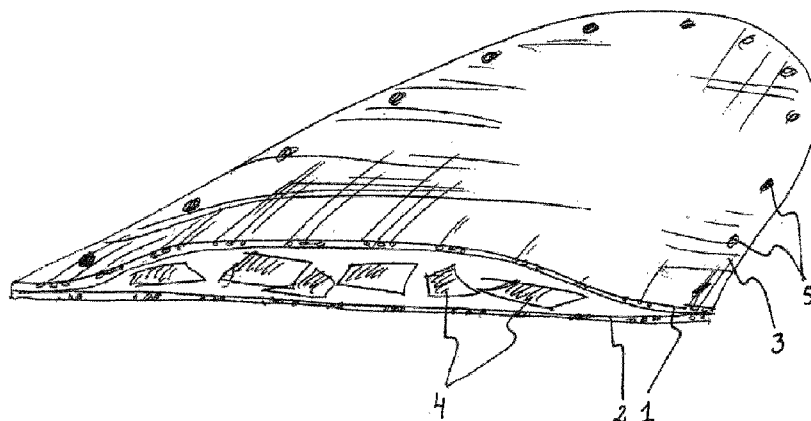


Fig. 1

(57) Abstract: The present invention relates to an implant comprising at least two layers made of fibers and bioactive material arranged between said at least two layers, the bioactive material being selected from the group consisting of bioactive glass, hydroxyapatite, tricalciumphosphate and mixtures thereof. In the implant, at least one of the layers is at least mainly formed of a mesh, which is made of glass fibers having a diameter of 3-100 µm, and wherein the mesh size is selected such that the bioactive material is retained within the implant. In addition, the layers are embedded in a matrix made of a resin selected from the group consisting of polyesters, epoxies, acrylates and mixtures thereof, and the layers are attached to each other along the contour of the implant.