

Title (en)

DEFORMING JACKET FOR A HEART ACTUATION DEVICE

Title (de)

VERFORMENDER MANTEL FÜR EINE HERZBETÄTIGUNGSVORRICHTUNG

Title (fr)

GAINE DEFORMANTE POUR UN DISPOSITIF D'ACTIVATION CARDIAQUE

Publication

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Application

EP 04754797 A 20040609

Priority

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- US 47708603 P 20030609

Abstract (en)

[origin: WO2004110307A2] The invention consists of a cushioned active cyclically deforming cushion or jacket (39) that surrounds the outer or epicardial surface of at least one chamber (2, 3, 4, 5) of the natural heart, including its base, configured so that internal components may be suspended from the jacket (39) by heart wall-penetrating cords to complete a restraining harness over the entire 3-dimensional boundary of the chamber or chambers. The cushion or jacket (39) provides protective and stabilizing openings (8, 9, 10) for atria and their inflow valves as well as for great vessels and their outflow valves. It is equipped with one or more actuator mechanisms (37, 38) that cyclically change shape at one or more sites, thus altering heart wall shape and chamber volume.

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IPC 8 full level

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IPC 8 main group level

A61F (2006.01)

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