Title (en)

ENHANCED PHOSPHOLIPID REDUCTION AND CALCIFICATION MITIGATION OF BIOLOGICAL MATERIALS

Title (de)

VERBESSERTE PHOSPHOLIPID-REDUKTION UND VERRINGERUNG DER KALZIFIZIERUNG VON BIOLOGISCHEN MATERIALIEN

Title (fr)

ATTENUATION RENFORCEE DE LA CALCIFICATION DE MATERIAUX BIOLOGIQUES ET REDUCTION ACCRUE DE LEUR TENEUR EN PHOSPHOLIPIDES

Publication

**EP 1531878 A1 20050525 (EN)**

Application

**EP 03764694 A 20030716**

Priority

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- US 39687902 P 20020716

Abstract (en)

[origin: WO2004006974A1] There is a need in the tissue treatment arts of methods for effectively mitigating calcification, reducing calcification and reducing phospholipid content of implanted bioprosthetic tissues. The invention provides an effective protocol for preparing biological tissue for incorporation as a bioprosthetic device. Disclosed herein is the discovery that calcification of biological tissue is mitigated and phospholipid content is reduced by including a step in the pre-implantation protocol whereby the biological tissue is treated with a surfactant and cross linking agent in the absence of a denaturant. Furthermore, the biological tissues prepared under this protocol are well suited for use in bioprosthetic devices.

IPC 1-7

**A61L 31/14**; A61L 31/00; A61L 27/50; A61L 27/36

IPC 8 full level

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**A61L 27/18** (2013.01 - EP US); **A61L 27/3687** (2013.01 - EP US); **A61L 27/505** (2013.01 - EP US); **A61L 31/005** (2013.01 - EP US); **A61L 31/143** (2013.01 - EP US); A61L 2400/02 (2013.01 - EP US)

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