

Title (en)

TISSUE-FASTENING ARTICLES AND DEVICES, AND RELATED METHODS

Title (de)

GEWEBEBEFESTIGUNGSARTIKEL UND VORRICHTUNGEN UND RELEVANTE VERFAHREN

Title (fr)

ARTICLES ET DISPOSITIFS POUR SUTURE DE TISSUS, ET PROCÉDÉS CONNEXES

Publication

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Application

EP 09710690 A 20090211

Priority

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- US 2752208 P 20080211

Abstract (en)

[origin: WO2009102776A2] Suitable tissue-fastening articles and devices that can incorporate and/or be encapsulated by one or more polyphosphazenes are provided, including various surgical fastening devices ('SFD'), sutures, surgical staples, screws, and other equivalent tissue-fastening devices, which exhibit excellent mechanical and physical tolerance properties, in order to improve the biocompatibility of such sheathed implanted devices, and to prevent or diminish various secondary injuries following a treatment or an implantation. The polyphosphazenes coating of various tissue-fastening articles and devices imparts substantial advantages to such articles and devices, including the prevention or minimization of uncontrolled cellular growth, and reduction in various inflammatory reactions following the implantation of a foreign material into a patient's body, and thereby, reducing the amount of antibiotics necessary to treat infections attendant with such implantation and subsequent inflammatory reactions.

IPC 8 full level

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Citation (search report)

- [XY] US 2003099683 A1 20030529 - GRUNZE MICHAEL [DE]
- [X] WO 2004004795 A1 20040115 - POLYZENIX GMBH [DE], et al
- [Y] WO 2006046155 A2 20060504 - POLYZENIX GMBH [DE], et al
- [Y] US 2006051522 A1 20060309 - TALTON JAMES D [US]
- See references of WO 2009102776A2

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