

Title (en)  
DURABLE MULTI-LAYER HIGH STRENGTH POLYMER COMPOSITE SUITABLE FOR IMPLANT AND ARTICLES PRODUCED THEREFROM

Title (de)  
BESTÄNDIGER MEHRSCICHTIGER HOCHFESTER POLYMERVERBUNDSTOFF FÜR EIN IMPLANTAT UND DARAUS HERGESTELLTE ARTIKEL

Title (fr)  
COMPOSITE POLYMÈRE MULTICOUCHE DURABLE DE HAUTE RÉSISTANCE, APPROPRIÉ POUR UN IMPLANT ET ARTICLES FABRIQUÉS À PARTIR DE CELUI-CI

Publication  
**EP 2968675 A1 20160120 (EN)**

Application  
**EP 14707902 A 20140214**

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Abstract (en)  
[origin: WO2014143498A1] A thin, biocompatible, high-strength, composite material is disclosed that is suitable for use in various implanted configurations. The composite material maintains flexibility in high-cycle flexural applications, making it particularly applicable to high-flex implants such as heart pacing lead or heart valve leaflet. The composite material includes at least one porous expanded fluoropolymer layer and an elastomer substantially filling substantially all of the pores of the porous expanded fluoropolymer.

IPC 8 full level  
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CPC (source: EP)  
**A61L 27/48** (2013.01); **A61L 27/56** (2013.01); **A61L 2430/20** (2013.01)

Citation (search report)  
See references of WO 2014143498A1

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