

Title (en)

MEDICAL DEVICES CONTAINING POLY(BUTYLENE SUCCINATE) AND COPOLYMERS THEREOF

Title (de)

MEDIZINISCHE VORRICHTUNGEN MIT POLY(BUTYLENSUCCINAT) UND COPOLYMERE DAVON

Title (fr)

DISPOSITIFS MÉDICAUX CONTENANT DU POLY(BUTYLÈNE SUCCINATE) ET DES COPOLYMÈRES DE CE DERNIER

Publication

**EP 4021518 A1 20220706 (EN)**

Application

**EP 20771716 A 20200831**

Priority

- US 201962893565 P 20190829
- US 2020048773 W 20200831

Abstract (en)

[origin: WO2021042044A1] Resorbable implants, coverings and receptacles comprising poly(butylene succinate) and copolymers thereof have been developed. The implants are preferably sterilized, and contain less than 20 endotoxin units per device as determined by the limulus amebocyte lysate (LAL) assay, and are particularly suitable for use in procedures where prolonged strength retention is necessary, and can include one or more bioactive agents. The implants may be made from fibers and meshes of poly(butylene succinate) and copolymers thereof, or by 3d printing molding, pultrusion or other melt or solvent processing method. The implants, or the fibers preset therein, may be oriented.. These coverings and receptacles may be used to hold, or partially/fully cover, devices such as pacemakers and neurostimulators. The coverings, receptacles and implants described herein, may be made from meshes, webs, lattices, non-wovens, films, fibers, foams, molded, pultruded, machined and 3D printed forms.

IPC 8 full level

**A61L 17/00** (2006.01); **A61L 17/06** (2006.01); **A61L 17/10** (2006.01); **A61L 27/18** (2006.01); **A61L 27/54** (2006.01); **A61L 27/56** (2006.01); **A61L 27/58** (2006.01)

CPC (source: CN EP)

**A61B 17/0401** (2013.01 - CN EP); **A61B 17/06166** (2013.01 - CN EP); **A61B 17/064** (2013.01 - CN EP); **A61B 17/80** (2013.01 - CN EP); **A61F 2/12** (2013.01 - CN EP); **A61F 2/28** (2013.01 - CN EP); **A61F 2/2875** (2013.01 - CN EP); **A61F 2/30721** (2013.01 - CN EP); **A61F 2/30756** (2013.01 - CN EP); **A61F 2/30942** (2013.01 - CN EP); **A61F 2/3872** (2013.01 - CN EP); **A61L 17/005** (2013.01 - CN EP); **A61L 17/06** (2013.01 - CN EP); **A61L 17/105** (2013.01 - CN EP); **A61L 27/18** (2013.01 - CN EP); **A61L 27/54** (2013.01 - CN EP); **A61L 27/56** (2013.01 - CN EP); **A61L 27/58** (2013.01 - CN EP); **B29C 48/05** (2019.02 - CN EP); **B29C 48/08** (2019.02 - CN EP); **B29C 48/09** (2019.02 - CN EP); **B29C 48/10** (2019.02 - CN EP); **B29C 48/92** (2019.02 - EP); **B33Y 70/00** (2014.12 - EP); **B33Y 70/10** (2020.01 - CN); **B33Y 80/00** (2014.12 - CN EP); **D01D 5/08** (2013.01 - CN EP); **D01F 1/10** (2013.01 - CN EP); **D01F 6/62** (2013.01 - CN EP); **D01F 6/84** (2013.01 - CN EP); **A61B 17/07292** (2013.01 - CN EP); **A61B 2017/00004** (2013.01 - CN EP); **A61B 2017/00526** (2013.01 - CN EP); **A61B 2017/00792** (2013.01 - CN EP); **A61B 2017/00867** (2013.01 - CN EP); **A61B 2017/00889** (2013.01 - CN EP); **A61B 2017/00893** (2013.01 - CN EP); **A61B 2017/0414** (2013.01 - CN EP); **A61B 2017/0417** (2013.01 - CN EP); **A61F 2/0063** (2013.01 - CN EP); **A61F 2/30767** (2013.01 - CN EP); **A61F 2002/2835** (2013.01 - CN EP); **A61F 2002/2839** (2013.01 - CN EP); **A61F 2002/30003** (2013.01 - CN EP); **A61F 2002/30011** (2013.01 - CN EP); **A61F 2002/30028** (2013.01 - CN EP); **A61F 2002/3006** (2013.01 - CN EP); **A61F 2002/30062** (2013.01 - CN EP); **A61F 2002/30092** (2013.01 - CN EP); **A61F 2002/30281** (2013.01 - CN EP); **A61F 2002/30322** (2013.01 - CN EP); **A61F 2002/30677** (2013.01 - CN EP); **A61F 2002/30736** (2013.01 - CN EP); **A61F 2002/30766** (2013.01 - CN EP); **A61F 2002/30838** (2013.01 - CN EP); **A61F 2002/3092** (2013.01 - CN EP); **A61F 2002/3093** (2013.01 - CN EP); **A61F 2002/3096** (2013.01 - CN EP); **A61F 2002/30985** (2013.01 - CN EP)

C-Set (source: CN EP)

1. **A61L 17/105 + C08L 67/04**
2. **A61L 27/18 + C08L 67/04**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2021042044 A1 20210304**; BR 112022003620 A2 20220524; CN 114630931 A 20220614; CN 114630931 B 20240823; EP 4021518 A1 20220706

DOCDB simple family (application)

**US 2020048773 W 20200831**; BR 112022003620 A 20200831; CN 202080076183 A 20200831; EP 20771716 A 20200831