

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

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Application

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Priority

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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 amoebocyte 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

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