

Title (en)

IMPLANT WITH INTRINSIC ANTIMICROBIAL EFFICACY, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

IMPLANTAT MIT INTRINSISCHER ANTIMIKROBIELLER WIRKSAMKEIT UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

IMPLANT DOTÉ D'UNE EFFICACITÉ ANTIMICROBIENNE INTRINSÈQUE ET PROCÉDÉ DE SA PRODUCTION

Publication

EP 3946487 A1 20220209 (DE)

Application

EP 20702614 A 20200128

Priority

- DE 102019108327 A 20190329
- EP 2020052068 W 20200128

Abstract (en)

[origin: WO2020200538A1] The invention relates to an implant (1) with antimicrobial activity, comprising an implant mixture (IM) which has a base granular material (2) formed from a raw material mixture of biocompatible polymers and/or a ceramic granular material, the implant mixture (IM) also comprising at least one type of metal (3) in particle form which is suitable for releasing ions, the metal particles (3) being present in the form of silver particles and/or copper particles. The metal particles (3) are distributed in the volume of the implant (1). The invention also relates to a method for producing an implant (1) of said type.

IPC 8 full level

A61L 27/42 (2006.01); **A61L 27/44** (2006.01); **A61L 27/54** (2006.01)

CPC (source: EP US)

A61F 2/02 (2013.01 - US); **A61L 27/427** (2013.01 - EP US); **A61L 27/446** (2013.01 - EP US); **A61L 27/54** (2013.01 - EP US); **A61L 27/56** (2013.01 - US); **A61F 2240/001** (2013.01 - US); **A61L 2300/102** (2013.01 - EP); **A61L 2300/104** (2013.01 - EP US); **A61L 2300/404** (2013.01 - EP US)

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)

DE 102019108327 A1 20201001; AU 2020252747 A1 20210916; BR 112021019442 A2 20211130; CN 113631202 A 20211109; EP 3946487 A1 20220209; JP 2022526567 A 20220525; US 2022168473 A1 20220602; WO 2020200538 A1 20201008

DOCDB simple family (application)

DE 102019108327 A 20190329; AU 2020252747 A 20200128; BR 112021019442 A 20200128; CN 202080021367 A 20200128; EP 2020052068 W 20200128; EP 20702614 A 20200128; JP 2021558020 A 20200128; US 202017441404 A 20200128