

Title (en)

ANTIPATHOGENIC BIOMEDICAL IMPLANTS, METHODS AND KITS EMPLOYING PHOTOCATALYTICALLY ACTIVE MATERIAL

Title (de)

ANTIPATHOGENE BIOMEDIZINISCHE IMPLANTATE, VERFAHREN UND KITS UNTER VERWENDUNG VON PHOTOKATALYTISCH AKTIVEM MATERIAL

Title (fr)

IMPLANTS BIOMÉDICAUX ANTI-PATHOGÈNES, MÉTHODES ET TROUSSES AVEC MATÉRIAU PHOTOCATALYTIQUEMENT ACTIF

Publication

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Application

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Abstract (en)

[origin: WO2009104168A2] An antipathogenic biomedical implant is formed throughout its structure of a matrix material comprising at least about 1 weight percent of a photocatalytically active filler which exhibits an antipathogenic effect upon irradiation with light. The photocatalytically active filler is arranged in the matrix material in the implant to receive light irradiated from an external light source. In another embodiment, an antipathogenic biomedical implant comprises at least about 1 weight percent of a photocatalytically active material which exhibits an antipathogenic effect upon irradiation with light, wherein the photocatalytically active material is arranged in the implant to receive light irradiated from an external light source. Methods for providing an antipathogenic biomedical implant, methods for reducing pathogens on a biomedical implant, methods for reducing the bioburden in a biomedical implant installation, and kits for providing an antipathogenic biomedical implant employ the antipathogenic biomedical implants.

IPC 8 full level

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Citation (search report)

See references of WO 2009104168A2

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