

Title (en)

PROSTHETIC DEVICES HAVING DIFFUSION-HARDENED SURFACES AND BIO CERAMIC COATINGS

Title (de)

PROTHESENGERÄTSCHAFTEN MIT DIFFUSIONS-GEHÄRTETEN OBERFLÄCHEN UND BIO KERAMISCHEN BESCHICHTUNGEN

Title (fr)

DISPOSITIFS DE PROTHESES A SURFACES DURCIES PAR DIFFUSION ET A REVETEMENTS DE BIO CERAMIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004002543A1] A prosthetic device having at least part of its surface comprising a diffusion-hardened, in-situ formed oxidation or nitridation layer and with at least another part of its surface comprising a coating of bioceramic, preferably hydroxyapatite. The bone in-growth and on-growth promoting bioceramic further works synergistically with the diffusion-hardened surface in realizing a longer service life prosthetic.

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IPC 8 full level

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