

Title (en)
AN ORTHOPAEDIC JOINT PROSTHESIS

Title (de)
ORTHOPÄDISCHE GELENKPROTHESE

Title (fr)
PROTHESES ARTICULAIRES ORTHOPEDIQUES

Publication
EP 1404257 A1 20040407 (EN)

Application
EP 02749005 A 20020705

Priority
• GB 0203146 W 20020705
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Abstract (en)
[origin: WO03003950A1] An orthopaedic joint prosthesis comprises a first joint component and a second joint component. Each of the components is formed from a metal body and has a bearing surface which engages the corresponding bearing surface of the other component when the prosthesis is implanted. Each of the metal bodies has a ceramic coating applied to it at the bearing surface, the coating comprising a chromium compound and being at least about 5 μ m thick. The coatings which can be different, for example so that the difference between the hardnesses of the materials of the coatings which are applied to the first and second joint components is less than about 5000 MPa. Preferably, the metal from which at least one of the first and second joint components is made has a modulus of at least about 150 GPa.

IPC 1-7
A61F 2/30; **A61L 27/30**

IPC 8 full level
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CPC (source: EP KR)
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See references of WO 03003950A1

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DOCDB simple family (publication)
WO 03003950 A1 20030116; CA 2451612 A1 20030116; CN 1523974 A 20040825; EP 1404257 A1 20040407; GB 0116546 D0 20010829; JP 2004530526 A 20041007; KR 20040038976 A 20040508; ZA 200400968 B 20050207

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