

Title (en)
IMPROVED DISC PROSTHESIS

Title (de)
VERBESSERTE BANDSCHEIBENPROTHESE

Title (fr)
AMELIORATIONS APORTEES A UNE PROTHESE DISCALE

Publication
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Application
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US 0022307 W 20000815

Abstract (en)
[origin: WO0213731A1] The invention provides a spinal disc implant (10) comprising two side walls (24)(26) which are opposed and substantially parallel spaced apart by a front wall (20) and a back wall (22) to define an interior space (14). The side walls (24)(26) define substantially elliptical curves joining the front and back walls (20)(22). The front wall (20) is also curved and the back wall (22) may be either curved or straight. The walls may have openings or holes (28) which may be circular or elliptical in shape. The upper and lower edges ((16)(18) of the implant have a plurality of teeth (19) extending therefrom for engaging adjacent vertebrae. The implant (10) is made of a biocompatible metal such as titanium or an alloy thereof, the first and second sides (24)(26) tapering from the second end to the first end. The interior space (14) has a porous hydroxyapatite block shaped to fill the interior space. The porous hydroxyapatite substance helps the prosthesis integrate into the vertebral structure by allowing into the pores.

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Citation (search report)
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• [A] US 5683464 A 19971104 - WAGNER WILLIAM R [US], et al
• [A] US 5865845 A 19990202 - THALGOTT JOHN S [US]
• See references of WO 0213731A1

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