

Title (en)
IMPROVED DISC PROSTHESIS

Title (de)
VERBESSERTE BANDSCHEIBENPROTHESE

Title (fr)
AMELIORATIONS APORTEES A UNE PROTHESE DISCALE

Publication
EP 1251806 A1 20021030 (EN)

Application
EP 00954069 A 20000815

Priority
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.

IPC 1-7
A61F 2/44

IPC 8 full level
A61F 2/44 (2006.01); **A61F 2/00** (2006.01); **A61F 2/28** (2006.01); **A61F 2/30** (2006.01); **A61F 2/46** (2006.01)

CPC (source: EP KR)
A61F 2/28 (2013.01 - KR); **A61F 2/442** (2013.01 - KR); **A61F 2/4455** (2013.01 - EP KR); **A61F 2/4465** (2013.01 - EP KR); **A61F 2/4611** (2013.01 - KR); **A61F 2/28** (2013.01 - EP); **A61F 2/442** (2013.01 - EP); **A61F 2/4611** (2013.01 - EP); **A61F 2002/30187** (2013.01 - EP KR); **A61F 2002/30507** (2013.01 - EP KR); **A61F 2002/30593** (2013.01 - EP); **A61F 2002/30616** (2013.01 - EP KR); **A61F 2002/30733** (2013.01 - EP KR); **A61F 2002/30777** (2013.01 - EP KR); **A61F 2002/30787** (2013.01 - EP); **A61F 2002/30789** (2013.01 - EP); **A61F 2002/30843** (2013.01 - EP); **A61F 2002/30892** (2013.01 - EP); **A61F 2220/0025** (2013.01 - EP); **A61F 2230/0034** (2013.01 - EP); **A61F 2310/00023** (2013.01 - EP KR); **A61F 2310/00179** (2013.01 - EP); **A61F 2310/00293** (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0213731 A1 20020221; AU 6641500 A 20020225; CA 2385489 A1 20020221; EP 1251806 A1 20021030; EP 1251806 A4 20030604; IL 149099 A0 20021110; JP 2004505722 A 20040226; KR 20020059359 A 20020712; MX PA02001032 A 20050411; NO 20021680 D0 20020410; NO 20021680 L 20020410

DOCDB simple family (application)
US 0022307 W 20000815; AU 6641500 A 20000815; CA 2385489 A 20000815; EP 00954069 A 20000815; IL 14909900 A 20000815; JP 2002518881 A 20000815; KR 20027001818 A 20020208; MX PA02001032 A 20000815; NO 20021680 A 20020410