

Title (en)  
VERTEBRAL IMPLANT FOR PROMOTING ARTHRODESIS OF THE SPINE

Title (de)  
WIRBELKÖRPERIMPLANTAT ZUM VERBESSERN DER WIRBELSÄULENARTHRODESE

Title (fr)  
IMPLANT VERTEBRAL FAVORISANT L'ARTHRODESE DE LA COLONNE VERTEBRALE

Publication  
**EP 1265562 A2 20021218 (EN)**

Application  
**EP 01918636 A 20010314**

Priority  
• DE 20004693 U 20000314  
• US 0108073 W 20010314

Abstract (en)  
[origin: WO0168005A2] This invention provides a vertebral spacer (1, 80) for impaction in a disc space to restore and/or maintain desired disc space height and spinal orientation. The spacer has an elongated basis body (2, 82) having a generally lens-shape provided by convex upper and lower surfaces (24, 26, 86, and 87). Bearing surfaces (8, 8', 9, 9', 98 and 100) are provided on the cross-edge surfaces of the endwalls (6, 7, 94 and 96). Grooves (16, 16' and 104) are provided in the upper and lower surfaces positioned between the bearing surfaces. The spacer (1, 80) can be prepared from a wide variety of materials including metallic materials, synthetic materials, polymeric materials, ceramic materials, and composite materials including reinforced materials i.e. glass, fiber, and/or carbon fiber reinforced materials (CFRP). These preferred materials for fabricating spacers in the present invention reduce costs, increase service life and provide excellent physiological compatibility. The non-metallic material can be selected to be either a substantially permanent material, a biodegradable material or a bioerodable material. Further, the spacer material can be provided to be radio opaque to facilitate monitoring of bone in growth both into the spacer and between the opposing endplates of the adjacent vertebrae.

IPC 1-7  
**A61F 2/44**

IPC 8 full level  
**A61B 17/58** (2006.01); **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)  
**A61F 2/447** (2013.01); **A61F 2/30965** (2013.01); **A61F 2/442** (2013.01); **A61F 2/4611** (2013.01); **A61F 2002/2835** (2013.01); **A61F 2002/3008** (2013.01); **A61F 2002/30261** (2013.01); **A61F 2002/30593** (2013.01); **A61F 2002/30774** (2013.01); **A61F 2002/30785** (2013.01); **A61F 2002/30789** (2013.01); **A61F 2230/0082** (2013.01); **A61F 2250/0098** (2013.01)

Citation (search report)  
See references of WO 0168005A2

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US10966843B2; US11045331B2; US11690734B2; US9028553B2; US9931224B2; US10022245B2; US10792166B2; US11712349B2

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

DOCDB simple family (publication)  
**DE 20004693 U1 20010830**; AU 2001245689 B2 20040408; AU 4568901 A 20010924; CA 2402654 A1 20010920; CA 2402654 C 20081118; EP 1265562 A2 20021218; JP 2003526458 A 20030909; JP 4522637 B2 20100811; WO 0168005 A2 20010920; WO 0168005 A3 20020829

DOCDB simple family (application)  
**DE 20004693 U 20000314**; AU 2001245689 A 20010314; AU 4568901 A 20010314; CA 2402654 A 20010314; EP 01918636 A 20010314; JP 2001566473 A 20010314; US 0108073 W 20010314