

Title (en)
INTERLOCKED MODULAR DISC NUCLEUS PROSTHESIS

Title (de)
VERRIEGELTE MODULARE BANDSCHEIBENKERNPROTHESE

Title (fr)
PROTHESE INTERVERROUILLEE DE NOYAU DE DISQUE MODULAIRE

Publication
EP 1887986 A4 20120502 (EN)

Application
EP 06760355 A 20060524

Priority

- US 2006020150 W 20060524
- US 68533205 P 20050524
- US 70045905 P 20050719
- US 37247706 A 20060309
- US 37235706 A 20060309

Abstract (en)
[origin: WO2006127849A2] A method and apparatus for repairing a damaged intervertebral disc nucleus in a minimally invasive manner utilizes a modular disc prosthesis preferably comprised of at least three modular segments and at least two rails that operably connect adjacent modular segments. In one embodiment, each modular segment includes a harder inner portion and a softer outer portion. Preferably, the rails operate to slidably connect and interlock adjacent modular segments. A stem portion of the rails that extends outside the periphery of the body of the prosthesis is removable after implantation such that the modular segments form an implanted unitary device that closely mimics the geometry of the disc nucleus cavity.

IPC 8 full level
A61F 2/44 (2006.01)

CPC (source: EP KR)
A61F 2/44 (2013.01 - KR); **A61F 2/442** (2013.01 - EP); **A61F 2/4611** (2013.01 - EP); **A61F 2/3094** (2013.01 - EP); **A61F 2/4455** (2013.01 - EP); **A61F 2002/30014** (2013.01 - EP); **A61F 2002/30016** (2013.01 - EP); **A61F 2002/30075** (2013.01 - EP); **A61F 2002/30166** (2013.01 - EP); **A61F 2002/30235** (2013.01 - EP); **A61F 2002/30383** (2013.01 - EP); **A61F 2002/30387** (2013.01 - EP); **A61F 2002/30462** (2013.01 - EP); **A61F 2002/3052** (2013.01 - EP); **A61F 2002/30561** (2013.01 - EP); **A61F 2002/30563** (2013.01 - EP); **A61F 2002/30594** (2013.01 - EP); **A61F 2002/30604** (2013.01 - EP); **A61F 2002/30677** (2013.01 - EP); **A61F 2002/30971** (2013.01 - EP); **A61F 2002/444** (2013.01 - EP); **A61F 2002/4627** (2013.01 - EP); **A61F 2210/0061** (2013.01 - EP); **A61F 2220/0025** (2013.01 - EP); **A61F 2220/0075** (2013.01 - EP); **A61F 2230/0028** (2013.01 - EP); **A61F 2230/0069** (2013.01 - EP); **A61F 2250/0018** (2013.01 - EP); **A61F 2250/0019** (2013.01 - EP)

Citation (search report)

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- [A] US 2003220649 A1 20031127 - BAO QI-BIN [US], et al
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- See references of WO 2006127848A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006127849 A2 20061130; WO 2006127849 A3 20081204; BR PI0611200 A2 20100824; BR PI0611201 A2 20100824; CN 101193608 A 20080604; CN 101193608 B 20121024; CN 101500513 A 20090805; CN 101500513 B 20130814; EP 1883378 A2 20080206; EP 1883378 A4 20120502; EP 1883378 B1 20200226; EP 1887986 A2 20080220; EP 1887986 A4 20120502; HK 1116041 A1 20081219; HK 1134010 A1 20100416; JP 2008541875 A 20081127; JP 2008545475 A 20081218; JP 4832514 B2 20111207; JP 4891991 B2 20120307; KR 101328801 B1 20131113; KR 101330340 B1 20131115; KR 20080025078 A 20080319; KR 20080039846 A 20080507

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US 2006020152 W 20060524; BR PI0611200 A 20060524; BR PI0611201 A 20060524; CN 200680018453 A 20060524; CN 200680018462 A 20060524; EP 06760355 A 20060524; EP 06771111 A 20060524; HK 08111702 A 20081024; HK 10101206 A 20100204; JP 2008513686 A 20060524; JP 2008513687 A 20060524; KR 20077029963 A 20060524; KR 20077029964 A 20060524