

Title (en)  
INTERVERTEBRAL DISK PROSTHESIS

Title (de)  
BANDSCHEIBENPROTHESE

Title (fr)  
PROTHESE DE DISQUE INTERVERTEBRAL

Publication  
**EP 1399100 A1 20040324 (DE)**

Application  
**EP 01940051 A 20010627**

Priority  
CH 0100403 W 20010627

Abstract (en)  
[origin: WO03002040A1] The invention relates to an intervertebral disk prosthesis or a nucleus replacement prosthesis, comprising an at least partially flexible jacket (3, 4, 5) that encloses a cavity (2) having a variable shape. The jacket (3, 4, 5) is at least partially configured as a semipermeable membrane (3) for a solvent so that a solution of a substance contained in the cavity (2) can adapt its concentration and its volume to the external load conditions according to the principle of reverse osmosis.

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

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

CPC (source: EP US)  
**A61F 2/441** (2013.01 - EP US); **A61F 2002/3008** (2013.01 - EP US); **A61F 2002/30291** (2013.01 - EP US); **A61F 2002/30581** (2013.01 - EP US); **A61F 2002/30738** (2013.01 - EP US); **A61F 2002/30784** (2013.01 - EP US); **A61F 2002/30957** (2013.01 - EP US); **A61F 2002/444** (2013.01 - EP US); **A61F 2230/0091** (2013.01 - EP US); **A61F 2250/0098** (2013.01 - EP US)

Citation (search report)  
See references of WO 03002040A1

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)  
**WO 03002040 A1 20030109**; AU 2001273767 B2 20060223; EP 1399100 A1 20040324; JP 2004530509 A 20041007; US 2004220669 A1 20041104

DOCDB simple family (application)  
**CH 0100403 W 20010627**; AU 2001273767 A 20010627; EP 01940051 A 20010627; JP 2003508283 A 20010627; US 48107903 A 20031216