

Title (en)  
PROSTHESIS FOR RESTORING MOTION

Title (de)  
PROTHESE ZUR BEWEGUNGSWIEDERHERSTELLUNG

Title (fr)  
PROTHESE POUR LA RESTAURATION DE MOUVEMENT

Publication  
**EP 1879533 A4 20110803 (EN)**

Application  
**EP 06769925 A 20060428**

Priority  
• US 2006016392 W 20060428  
• US 67674405 P 20050502

Abstract (en)  
[origin: WO2006119088A2] A motion restoring prosthesis to be interposed between the ends of two bones adjoining a mammalian appendage or spinal joint is formed of two components with the components having inner cooperating articulating surfaces and outer bone engaging surfaces. At least one of the components has an inner section made of relatively hard, stiff material defining one or the articulating surfaces and an outer section made of a softer material defining the bone engaging surface. The softer material having a hardness/stiffness characteristic compatible with the bone to reduce stress shielding and more evenly distribute the forces from the articulating surfaces to the associate bone interface.

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

CPC (source: EP)  
**A61F 2/34** (2013.01); **A61F 2/4425** (2013.01); **A61F 2/4465** (2013.01); **A61L 27/18** (2013.01); **A61L 27/306** (2013.01); **A61L 27/32** (2013.01); **B29C 45/14** (2013.01); **A61F 2/30767** (2013.01); **A61F 2/3094** (2013.01); **A61F 2/30965** (2013.01); **A61F 2/32** (2013.01); **A61F 2/36** (2013.01); **A61F 2/3662** (2013.01); **A61F 2002/30014** (2013.01); **A61F 2002/30016** (2013.01); **A61F 2002/30118** (2013.01); **A61F 2002/30133** (2013.01); **A61F 2002/30593** (2013.01); **A61F 2002/30649** (2013.01); **A61F 2002/3065** (2013.01); **A61F 2002/30654** (2013.01); **A61F 2002/30685** (2013.01); **A61F 2002/30787** (2013.01); **A61F 2002/30822** (2013.01); **A61F 2002/30827** (2013.01); **A61F 2002/30841** (2013.01); **A61F 2002/30884** (2013.01); **A61F 2002/30892** (2013.01); **A61F 2002/30904** (2013.01); **A61F 2002/30906** (2013.01); **A61F 2002/30957** (2013.01); **A61F 2002/30971** (2013.01); **A61F 2002/30973** (2013.01); **A61F 2002/3611** (2013.01); **A61F 2002/3625** (2013.01); **A61F 2230/0006** (2013.01); **A61F 2230/0015** (2013.01); **A61F 2250/0018** (2013.01); **A61F 2250/0019** (2013.01); **A61F 2310/00029** (2013.01); **A61F 2310/00179** (2013.01); **A61F 2310/00203** (2013.01); **A61F 2310/00407** (2013.01); **A61F 2310/00796** (2013.01); **B29C 45/34** (2013.01); **B29K 2071/00** (2013.01); **B29L 2031/7532** (2013.01)

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• See references of WO 2006119088A2

Citation (examination)  
US 2005038515 A1 20050217 - KUNZLER ALEX [US]

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