

Title (en)
BONE PROSTHESIS AND METHOD OF IMPLANTING THE SAME

Title (de)
KNOCHENPROTHESE UND ZUGEHÖRIGE IMPLANTATIONSMETHODE

Title (fr)
PROTHESE OSSEUSE ET SON PROCEDE D'IMPLANTATION

Publication
EP 0696186 A1 19960214 (EN)

Application
EP 94911576 A 19940314

Priority
• US 9402695 W 19940314
• US 3072293 A 19930312

Abstract (en)
[origin: WO9420046A1] A prosthetic implant (100) including a pre-applied mantle (280) of substantial thickness disposed over a substantial portion of the outer surface of a stem (160), is disclosed. The stem (160) is provided with longitudinal channels (360) which allow ease of future extraction from the femur. The mantle (280) is sized and shaped to closely approximate the size and shape of the cavity (34) in which it is implanted to minimize the amount of cement (26) used to anchor the prosthesis (100). The mantle (280) may be applied to the stem (160) by injection molding alone or in combination with initially plasma spraying a thin film onto the stem (160).

IPC 1-7
A61F 2/36

IPC 8 full level
A61F 2/28 (2006.01); **A61F 2/30** (2006.01); **A61F 2/36** (2006.01); **A61L 27/34** (2006.01); **A61F 2/00** (2006.01); **A61F 2/46** (2006.01)

CPC (source: EP)
A61F 2/30907 (2013.01); **A61F 2/36** (2013.01); **A61L 27/34** (2013.01); **A61F 2/30723** (2013.01); **A61F 2/30965** (2013.01); **A61F 2/367** (2013.01); **A61F 2/3676** (2013.01); **A61F 2002/30112** (2013.01); **A61F 2002/30113** (2013.01); **A61F 2002/30136** (2013.01); **A61F 2002/30158** (2013.01); **A61F 2002/30827** (2013.01); **A61F 2002/30919** (2013.01); **A61F 2002/30929** (2013.01); **A61F 2002/4619** (2013.01); **A61F 2002/4631** (2013.01); **A61F 2230/0004** (2013.01); **A61F 2230/0006** (2013.01); **A61F 2230/0026** (2013.01); **A61F 2310/00017** (2013.01); **A61F 2310/00023** (2013.01); **A61F 2310/00029** (2013.01); **A61F 2310/00149** (2013.01); **A61F 2310/00952** (2013.01)

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

DOCDB simple family (publication)
WO 9420046 A1 19940915; AU 6406494 A 19940926; AU 687800 B2 19980305; CA 2156740 A1 19940915; EP 0696186 A1 19960214; EP 0696186 A4 19961127; JP H09501064 A 19970204

DOCDB simple family (application)
US 9402695 W 19940314; AU 6406494 A 19940314; CA 2156740 A 19940314; EP 94911576 A 19940314; JP 52034994 A 19940314