

Title (en)  
CEMENT-FREE SURFACE REPLACEMENT PROSTHESIS FOR THE NATURAL FEMUR HEAD

Title (de)  
ZEMENTFREIE OBERFLÄCHENERSATZPROTHESE FÜR DEN NATÜRLICHEN FEMURKOPF

Title (fr)  
PROTHÈSE DE RESURFAÇAGE EXEMPTÉ DE CIMENT POUR LA TÊTE DE FÉMUR NATURELLE

Publication  
**EP 2816975 A1 20141231 (DE)**

Application  
**EP 13703809 A 20130212**

Priority  
• DE 102012202833 A 20120224  
• EP 2013052753 W 20130212

Abstract (en)  
[origin: WO2013127623A1] The invention relates to a ceramic surface replacement prosthesis (1) for the natural femur head (3), comprising an outer spherical surface (5) and an inner receiving space (7) with an inner lateral surface (4). The aim of the invention is to prevent necrosis of the bone tissue as a result of the implantation process, thus also preventing a loss of inner bone tissue. According to the invention, this is achieved in that the inner lateral surface (4) is provided with an osseointegrative coating (6) or is designed in an osseointegrative manner at least in some areas, and/or the lateral surface (4) is designed as a self-forming thread (8).

IPC 8 full level  
**A61F 2/36** (2006.01); **A61F 2/30** (2006.01)

CPC (source: EP US)  
**A61F 2/30771** (2013.01 - US); **A61F 2/3603** (2013.01 - EP US); **A61F 2/30767** (2013.01 - EP US); **A61F 2002/30028** (2013.01 - EP US); **A61F 2002/30593** (2013.01 - EP US); **A61F 2002/3085** (2013.01 - EP US); **A61F 2002/30851** (2013.01 - EP US); **A61F 2002/30873** (2013.01 - EP US); **A61F 2002/3092** (2013.01 - EP US); **A61F 2002/3093** (2013.01 - US)

Citation (search report)  
See references of WO 2013127623A1

Citation (examination)  
DE 3006178 A1 19810702 - STRAUMANN INST AG [CH]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102013202243 A1 20130829**; AU 2013225244 A1 20141002; CN 104185457 A 20141203; EP 2816975 A1 20141231; JP 2015507985 A 20150316; KR 20140133879 A 20141120; US 2015039094 A1 20150205; WO 2013127623 A1 20130906

DOCDB simple family (application)  
**DE 102013202243 A 20130212**; AU 2013225244 A 20130212; CN 201380010952 A 20130212; EP 13703809 A 20130212; EP 2013052753 W 20130212; JP 2014558062 A 20130212; KR 20147026834 A 20130212; US 201314380565 A 20130212