

Title (en)
METHOD AND APPARATUS FOR COMPUTER ASSISTANCE WITH TOTAL HIP REPLACEMENT PROCEDURE

Title (de)
VERFAHREN UND GERÄT ZUR COMPUTERUNTERSTÜTZUNG EINES VERFAHRENS ZUM HÜFTGELENKTOTALERSATZ

Title (fr)
PROCEDE ET APPAREIL PERMETTANT D'ASSISTER PAR ORDINATEUR UNE OPERATION DE REMPLACEMENT TOTAL DE LA HANCHE

Publication
EP 1667573 A4 20080220 (EN)

Application
EP 04708176 A 20040204

Priority
• US 2004003133 W 20040204
• US 44500203 P 20030204

Abstract (en)
[origin: WO2004069041A2] Hip replacement surgery involves replacing the head and neck of the femur with an artificial component having a ball-shaped head and neck similar to that of a replaced femoral head and neck and inserting a cup-shaped component into the acetabulum to act as a liner to receive the ball of the femoral component. During this procedure, a surgeon encounters or has to overcome several problems. These problems include establishing the correct inclination, version and medialization for the acetabular component of the artificial hip; the correct version or angle of the femoral component; and maintaining correct leg length.

IPC 8 full level
A61B 5/00 (2006.01); **A61B 19/00** (2006.01)

IPC 8 main group level
A61B (2006.01)

CPC (source: EP)
A61B 34/20 (2016.02); **A61B 34/25** (2016.02); **A61B 2034/102** (2016.02); **A61B 2034/105** (2016.02); **A61B 2034/107** (2016.02); **A61B 2034/108** (2016.02); **A61B 2034/2072** (2016.02); **A61B 2034/252** (2016.02); **A61B 2034/254** (2016.02); **A61B 2034/256** (2016.02)

Citation (search report)
• [PX] WO 2004001569 A2 20031231 - CEDARA SOFTWARE CORP [CA], et al
• [X] US 2002077540 A1 20020620 - KIENZLE THOMAS C [US]
• [X] WO 02062250 A1 20020815 - SYNTHES AG [CH], et al
• [X] WO 02062248 A1 20020815 - CEDARA SOFTWARE CORP [CA], et al
• [X] US 6205411 B1 20010320 - DIGIOIA III ANTHONY M [US], et al
• See references of WO 2004069041A2

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

DOCDB simple family (publication)
WO 2004069041 A2 20040819; WO 2004069041 A3 20050414; WO 2004069041 A9 20041111; EP 1667573 A2 20060614;
EP 1667573 A4 20080220

DOCDB simple family (application)
US 2004003133 W 20040204; EP 04708176 A 20040204