

Title (en)  
INSTRUMENT SET FOR SEPARATING MODULAR CERAMIC HIP-JOINT IMPLANTS

Title (de)  
INSTRUMENTARIUM ZUM TRENNEN MODULARER KERAMISCHER HÜFTGELENKSIMPLANTATE

Title (fr)  
ENSEMBLE D'INSTRUMENTS POUR SÉPARER DES IMPLANTS D'ARTICULATION DE HANCHE EN CÉRAMIQUE

Publication  
**EP 3062748 A1 20160907 (DE)**

Application  
**EP 14792509 A 20141031**

Priority  
• DE 102013222162 A 20131031  
• DE 102013222161 A 20131031  
• EP 2014073442 W 20141031

Abstract (en)  
[origin: CA2929076A1] The invention relates to an instrument set for removing a ceramic cup insert (1) from a metal shell (2) of a hip-joint implant. For cost-effective and efficient removal of a ceramic cup insert (1) from a metal shell (2) of a hip-joint implant, an instrument set is proposed, wherein the instrument set is composed of a holding element (3), a securing device (4) connectable to the holding element (3), at least one spacer (5) and a head (6), wherein the holding element (3) has, at one of its ends, an adapter device (7) for securing the head (6), the head (6) has an adapter location (8) for securing the adapter device (7), the holding element (3) has, at its other end, a coupling device (9) for a tool for rotating the holding element (3) about its longitudinal axis (10), and the holding element (3) has an adjusting thread (11) on its circumferential surface, wherein the securing device (4) is equipped with an inner thread and can be turned on the adjusting thread (11) in the longitudinal axis (10) of the holding element (3), and at least one spacer (5) is arranged on the securing device (4) and extends parallel to the longitudinal axis (10) of the holding element (3) in the direction of the adapter device (7).

IPC 8 full level  
**A61F 2/30** (2006.01); **A61F 2/34** (2006.01); **A61F 2/46** (2006.01)

CPC (source: EP KR US)  
**A61F 2/34** (2013.01 - EP KR US); **A61F 2/4609** (2013.01 - US); **A61F 2/4637** (2013.01 - EP KR US); **A61F 2002/30332** (2013.01 - EP US); **A61F 2002/30426** (2013.01 - US); **A61F 2002/30448** (2013.01 - EP US); **A61F 2002/345** (2013.01 - KR); **A61F 2002/3482** (2013.01 - US); **A61F 2002/4627** (2013.01 - EP KR US); **A61F 2002/4641** (2013.01 - EP KR US); **A61F 2230/0067** (2013.01 - KR); **A61F 2230/0093** (2013.01 - EP US); **A61F 2230/0095** (2013.01 - EP US); **A61F 2240/001** (2013.01 - EP US)

Citation (search report)  
See references of WO 2015063263A1

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 102014222260 A1 20150430**; AU 2014343642 A1 20160616; CA 2929076 A1 20150507; CN 105828750 A 20160803; EP 3062748 A1 20160907; JP 2016534819 A 20161110; KR 20160081943 A 20160708; US 2016278940 A1 20160929; WO 2015063263 A1 20150507

DOCDB simple family (application)  
**DE 102014222260 A 20141031**; AU 2014343642 A 20141031; CA 2929076 A 20141031; CN 201480071285 A 20141031; EP 14792509 A 20141031; EP 2014073442 W 20141031; JP 2016527460 A 20141031; KR 20167014394 A 20141031; US 201415032812 A 20141031