

Title (en)
DEVICE FOR REMOVING AN ENDOPROSTHESIS OR AN IMPLANT THAT IS IMPLANTED IN THE BODY AND IS MADE OF A SYNTHETIC MATERIAL

Title (de)
EINRICHTUNG ZUM ENTFERNEN EINER ENDOPROTHESE ODER EINES IMPLANTATS, DIE ODER DAS IM KÖRPER EINGEPFLANZT IST UND AUS EINEM KÜNSTLICHEN MATERIAL BESTEHT

Title (fr)
DISPOSITIF D'EXTRACTION D'UNE ENDOPROTHÈSE OU D'UN IMPLANT IMPLANTÉ DANS LE CORPS ET RÉALISÉ DANS UN MATÉRIAU SYNTHÉTIQUE

Publication
EP 1981448 A2 20081022 (DE)

Application
EP 07721882 A 20070131

Priority
• DE 2007000211 W 20070131
• DE 102006005224 A 20060131

Abstract (en)
[origin: WO2007087800A1] The invention relates to devices for removing an endoprosthesis or an implant which is implanted in the body and is made of a synthetic material. The inventive devices and methods are characterized especially by the fact that a minimal amount of tissue decomposes such that the endoprosthesis or the implant can be removed gently, the endoprosthesis, the implant, or a section thereof embodying a conductor. The endoprosthesis or the implant and at least one electrode that is connected in an electrically conducting manner to a surface area of the endoprosthesis of the implant, or at least one electrode which is in contact with a region of the material surrounding the endoprosthesis or the implant, are connected to an HF generator as an AC current source in order to separate the endoprosthesis or the implant from material surrounding the same in such a way that power is applied to the tissue and/or the biomaterial that surrounds the endoprosthesis or the implant. The endoprosthesis or the implant is coupled to an apparatus in order to be removed.

IPC 8 full level
A61F 2/46 (2006.01)

CPC (source: EP US)
A61F 2/4603 (2013.01 - EP US); **A61F 2/4607** (2013.01 - EP US); **A61F 2002/4619** (2013.01 - EP US); **A61F 2002/4632** (2013.01 - EP US); **A61F 2002/469** (2013.01 - EP US)

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

DOCDB simple family (publication)
DE 102006005224 A1 20070809; DE 102006005224 B4 20080904; EP 1981448 A2 20081022; US 2010063499 A1 20100311; WO 2007087800 A1 20070809; WO 2007087800 A9 20070927

DOCDB simple family (application)
DE 102006005224 A 20060131; DE 2007000211 W 20070131; EP 07721882 A 20070131; US 16265607 A 20070131