

Title (en)

IMPLANT FOR USE IN A PHOTODYNAMIC TREATMENT

Title (de)

IMPLANTAT ZUR ANWENDUNG BEI EINER PHOTO-DYNAMISCHEN BEHANDLUNG

Title (fr)

IMPLANT À UTILISER LORS D'UN TRAITEMENT PHOTODYNAMIQUE

Publication

EP 2613730 A1 20130717 (DE)

Application

EP 11754873 A 20110909

Priority

- DE 102010045061 A 20100910
- DE 102010050898 A 20101110
- DE 102011075808 A 20110513
- EP 2011065619 W 20110909

Abstract (en)

[origin: WO2012032146A1] An implant (10) for implantation in a human or animal bone (11) has a bone area (12), which is in contact with the bone (11), and a light area, which is not covered by the bone (11). It likewise has a photo-activatable substance (14), which is activated when illuminated with light (2) and thereafter destroys microbes and bacteria. The implant (10) is made of a material which is transparent at at least one activation wavelength of the photo-activatable substance (14), wherein the photo-activatable substance (14) is applied at least to the surface of the bone area (12) of the implant.

IPC 8 full level

A61C 8/00 (2006.01); **A61F 2/32** (2006.01); **A61F 2/40** (2006.01); **A61F 2/44** (2006.01); **A61N 5/06** (2006.01)

CPC (source: EP US)

A61C 8/0012 (2013.01 - EP US); **A61L 27/10** (2013.01 - EP US); **A61L 27/54** (2013.01 - EP US); **A61N 5/062** (2013.01 - EP US); **B05D 3/06** (2013.01 - US); **A61C 8/0006** (2013.01 - EP US); **A61F 2/442** (2013.01 - EP US); **A61F 2002/30668** (2013.01 - EP US); **A61F 2002/30677** (2013.01 - EP US); **A61F 2002/30968** (2013.01 - EP US); **A61F 2310/00197** (2013.01 - EP US); **A61F 2310/00203** (2013.01 - EP US); **A61F 2310/00221** (2013.01 - EP US); **A61F 2310/00239** (2013.01 - EP US); **A61L 2300/102** (2013.01 - EP US)

Citation (search report)

See references of WO 2012032146A1

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

DOCDB simple family (publication)

DE 102011075808 A1 20120315; **DE 102011075808 B4 20170629**; EP 2613730 A1 20130717; US 2013266909 A1 20131010; WO 2012032146 A1 20120315

DOCDB simple family (application)

DE 102011075808 A 20110513; EP 11754873 A 20110909; EP 2011065619 W 20110909; US 201113822203 A 20110909