

Title (en)

IMPLANT FOR USE IN A WEAR COUPLE INCLUDING A SPHERICAL WEAR PARTNER

Title (de)

IMPLANTAT FÜR DIE GLEITPAARUNG MIT EINEM KUGELFÖRMIGEN GLEITPARTNER

Title (fr)

IMPLANT PERMETTANT UN APPARIEMENT COULISSANT COMPORTANT UN PARTENAIRE DE COULISSEMENT SPHÉRIQUE

Publication

EP 3790510 A1 20210317 (DE)

Application

EP 19721624 A 20190506

Priority

- EP 18171105 A 20180507
- EP 2019061518 W 20190506

Abstract (en)

[origin: WO2019215069A1] The invention describes an implant for wear couples in endoprosthetics, the implant having an outer side, with an outer face, and an inner side, and a hemispherical wear region for accommodating a spherical wear partner being formed on the inner side. The aim of the invention is to reduce the height of the implant as much as possible and to ensure that, e.g., the pelvic bone does not have to be milled down as much. According to the invention, the implant is therefore designed in the form of a ring or annular structure and the outer face permits direct implantation in the body. In order to reduce friction between the spherical wear partner and the implant to a minimum, the implant has a specially designed inner geometry.

IPC 8 full level

A61F 2/32 (2006.01); **A61F 2/34** (2006.01)

CPC (source: EP KR US)

A61F 2/30 (2013.01 - US); **A61F 2/30767** (2013.01 - KR); **A61F 2/34** (2013.01 - EP KR); **A61L 27/10** (2013.01 - KR);
A61F 2/32 (2013.01 - US); **A61F 2/3804** (2013.01 - US); **A61F 2/40** (2013.01 - US); **A61F 2/4225** (2013.01 - US);
A61F 2/4241 (2013.01 - US); **A61F 2002/302** (2013.01 - EP KR US); **A61F 2002/30242** (2013.01 - US); **A61F 2002/30331** (2013.01 - KR);
A61F 2002/30332 (2013.01 - EP KR); **A61F 2002/30593** (2013.01 - EP KR); **A61F 2002/30655** (2013.01 - EP KR US);
A61F 2002/30784 (2013.01 - US); **A61F 2002/3092** (2013.01 - EP KR); **A61F 2002/30934** (2013.01 - EP KR); **A61F 2002/3443** (2013.01 - EP KR);
A61F 2002/3445 (2013.01 - KR); **A61F 2002/3446** (2013.01 - EP); **A61F 2002/3453** (2013.01 - EP KR); **A61F 2310/00179** (2013.01 - EP KR US);
A61F 2310/00592 (2013.01 - EP KR US); **A61F 2310/00976** (2013.01 - EP KR); **A61L 2430/24** (2013.01 - KR)

Citation (search report)

See references of WO 2019215069A1

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)

WO 2019215069 A1 20191114; AU 2019266468 A1 20201119; BR 112020019206 A2 20210105; CA 3093488 A1 20191114;
CN 112087989 A 20201215; CN 112087989 B 20240126; EP 3790510 A1 20210317; JP 2021522915 A 20210902; JP 7379379 B2 20231114;
KR 20210006903 A 20210119; US 2021282931 A1 20210916

DOCDB simple family (application)

EP 2019061518 W 20190506; AU 2019266468 A 20190506; BR 112020019206 A 20190506; CA 3093488 A 20190506;
CN 201980030887 A 20190506; EP 19721624 A 20190506; JP 2020562601 A 20190506; KR 20207032099 A 20190506;
US 201917053276 A 20190506