

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 December 2012 (27.12.2012)



(10) International Publication Number
WO 2012/178031 A8

- (51) International Patent Classification:
A61F 2/30 (2006.01) A61F 2/40 (2006.01)
A61F 2/38 (2006.01)
- (21) International Application Number:
PCT/US2012/043780
- (22) International Filing Date:
22 June 2012 (22.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/500,257 23 June 2011 (23.06.2011) US
- (71) Applicant (for all designated States except US):
STRYKER CORPORATION [US/US]; 2825 Airview
Boulevard, Kalamazoo, MI 49002 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AXELSON, Stuart,
L., Jr. [US/US]; 12 Churchill Drive, Succasunna, NJ
07876 (US). FERKO, Michael, C. [US/US]; 220 Big Is-
land Road, Warwick, NY 10990 (US). WELLINGS,

Peter, John [US/US]; 36 Elm Street, Apt. #3, Morristown,
NJ 07960 (US).

(74) Agents: KOCUN, Kevin M. et al.; Lerner, David, Litten-
berg, Krumholz & Mentlik, LLP, 600 South Avenue West,
Westfield, NJ 07090 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

[Continued on next page]

(54) Title: PROSTHETIC IMPLANT AND METHOD OF IMPLANTATION

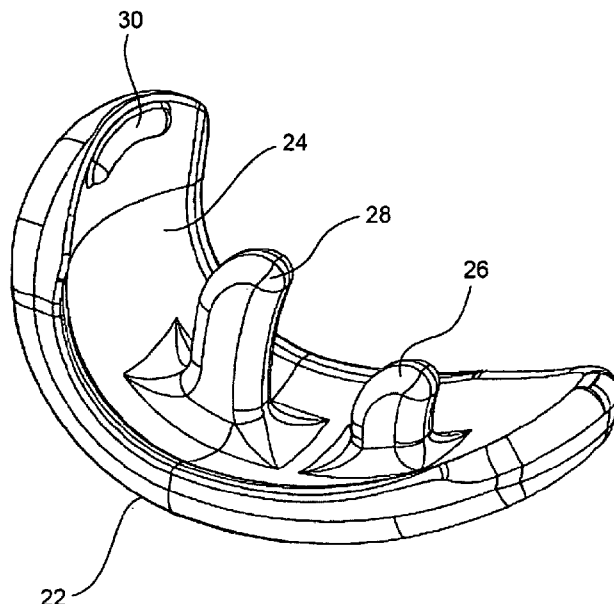


FIG. 5

(57) Abstract: A prosthetic implant 12 useful in a cement-
less application is disclosed. The implant may include a
curved bone facing surface 24 and one or more pegs or keels
26, 28. Preferably, the implant 12 is implanted on a bone
surface 18 that has been prepared so as to allow for a snap fit
between the implant 12 and the bone.



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

(48) Date of publication of this corrected version:

30 January 2014

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

(15) Information about Correction:

see Notice of 30 January 2014