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(54) Title: JOINT REVISION IMPLANT

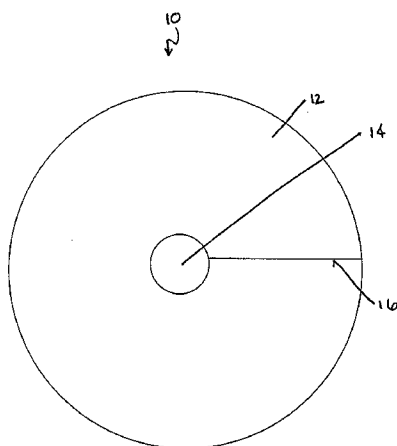


Figure 1

(57) Abstract: An osteoconductive backing implant for joint revisions is provided that may enhance bone healing and, for cementless implants, bony integration of the implant. The backing implant comprises a generally planar surface that may be formed into a generally hemispherical shape. In one embodiment, the backing implant comprises a disc having an inner hole and an outer edge, at least one slit extending from the inner hole to the outer edge. The disc may be formed from a coherent mass of elongate, mechanically entangled demineralized bone particles.



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European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61F 2/30

USPC - 623/16.11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 623/16.11; A61F 2/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 623/11.11, 13.18, 18.11, 23.51, 22.21, 22.24, 22.3, 22.33

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT, PGPB, EPAB, JPAB); DialoPRO ; Google Patent, Google Scholar.

Sear Terms: backing implant, repair, joint revision, disc, inner hole, outer edge, slit, wedges., cone, flexible, rigid, slit, perforations, allograft, concentric, eccentric, socket, ball-and-socket joint, osteoconductive, calcium, acetabulum, petal.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0115172 A1(Bianchi et al) 17 June 2004 (17.06.2004) entire document, especially para[0038],[0050],[0052],[0054],[0062],[0066],[0085],[0088], Fig.1	1-26
Y	US 2005/0288787 A1 (Crawley et al) 29 December 2005 (29.12.2005) para[0025]	1-26
Y	US 6,425,924 B1 (Rousseau) 30 July 2002 (30.07.2002) col. In 41-44	15-24
Y	US 2001/0014831 A1 (Scarborough) 16 Aug 2001 (16.08.2001) para[0045]	2, 7, 21
Y	US 2007/0016163 A1(Santini et al) 18 January 2007 (18.01.2007) para[0057]	14
Y	US 6,123,731 A (Boyce et al) 26 September 2000 (26.09.2000) col. In 27-36	23
Y	US 2005/0033423 A1 (Bircoll) 10 February 2005 (10.02.2005) para[0011]	26, 22A

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Further documents are listed in the continuation of Box C.

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