

(21) Application No: 2112996.0
(22) Date of Filing: 12.03.2020
Date Lodged: 13.09.2021
(30) Priority Data:
(31) 62817497 (32) 12.03.2019 (33) US
(86) International Application Data:
PCT/US2020/022464 En 12.03.2020
(87) International Publication Data:
WO2020/186099 En 17.09.2020

(51) INT CL:
A61F 2/40 (2006.01)
(56) Documents Cited:
US 20160051367 A1 US 20130197651 A1
US 20120029647 A1 US 20110098822 A1
US 20060009852 A1
(58) Field of Search:
INT CL A61F
Other: PatSeer (US, EP,WO, JP, DE, GB, CN, FR, KR, ES, AU, IN, CA, INPADOC Data); Orbit; PubMed; EBSCO; Google/Google Scholar

(71) Applicant(s):
Arthrosurface Incorporated
28 Forge Parkway, Franklin, Massachusetts 02038,
United States of America
(72) Inventor(s):
Anthony Miniaci
Steven W Ek
William B Murphy
Timothy H Brightman
(74) Agent and/or Address for Service:
Barker Brettell LLP
100 Hagley Road, Edgbaston, BIRMINGHAM,
B16 8QQ, United Kingdom

(54) Title of the Invention: **Humeral and glenoid articular surface implant systems and methods**
Abstract Title: **Humeral and glenoid articular surface implant systems and methods**

(57) One embodiment of the present disclosure provides a humeral implant. The humeral implant includes a tray including a body defining a bone facing recess and a liner recess, said bone facing recess including a ring surface and a convex surface, wherein the ring surface has a profile substantially corresponding to a profile of an outer ring of bone in an excision site of a patient; and wherein said convex surface has a profile substantially corresponding to a profile of a concave socket formed in the excision site. The humeral implant also includes a liner including a body defining a load bearing surface and a tray interface surface, said tray interface surface being configured to be at least partially received in said liner recess of said tray such that said implant is coupled to said tray.

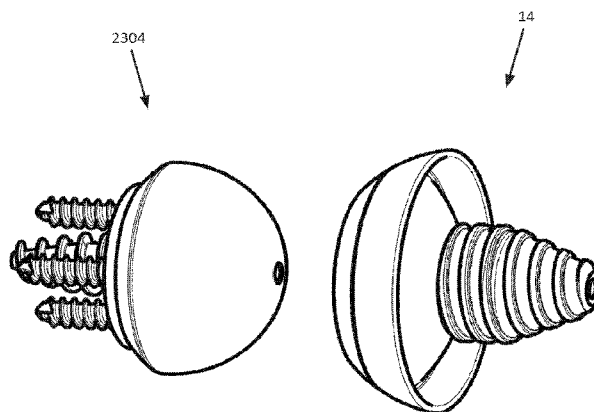


FIG. 47