

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/049981 A3

(51) International Patent Classification⁷: **G06T 7/00**,
17/00, A61F 2/46, A61B 17/17

(21) International Application Number:
PCT/US2003/038158

(22) International Filing Date:
25 November 2003 (25.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/305,652 27 November 2002 (27.11.2002) US

(71) Applicant (for all designated States except US): **CON-
FORMIS, INC.** [US/US]; 323 C Vintage, Park Drive, Fos-
ter City, CA 94404 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BEREZ, Aaron**
[US/US]; 1485 Laurel Street, Menlo Park, CA 94025
(US). **FITZ, Wolfgang** [DE/US]; 2 Joshua Path, Natick,
MA 01760 (US). **LANG, Philipp** [DE/US]; 7 Fair Oaks

Terrace, Lexington, MA 02421 (US). **STEINES, Daniel**
[DE/US]; 3619 Park Blvd., Palo Alto, CA 94306 (US).
TIMSARI, Bijan [IR/US]; 9656 Carroll Canyon Road,
Apt. F5, San Diego, CA 92126 (US). **TSOUGARAKIS,**
Konstantinos [GR/US]; 950 High School Way, #3219,
Mountain View, CA 94041 (US). **VARGAS-VORACEK,**
Rene [BO/US]; 124 Piedra Drive, Sunnyvale, CA 94086
(US). **SNYDER, Cecily Anne** [US/US]; 69 Ovington
Drive, East Falmouth, MA 02536 (US).

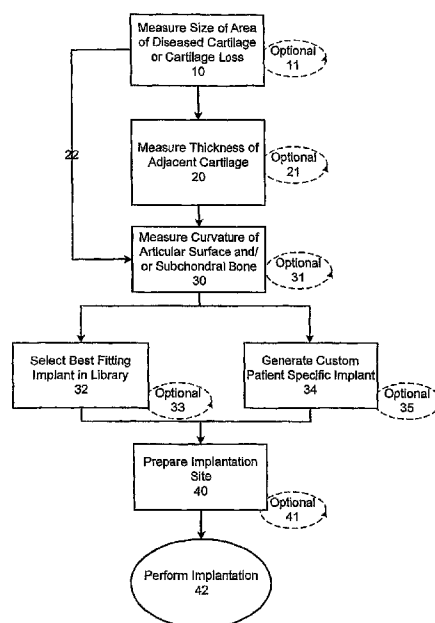
(74) Agents: **PASTERNAK, Dahna** et al.; Robins & Pasternak
LLP, 1731 Embarcadero Road, Suite 230, Palo Alto, CA
94303 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: PATIENT SELECTABLE JOINT ARTHROPLASTY DEVICES AND SURGICAL TOOLS FACILITATING INCREASED ACCURACY, SPEED AND SIMPLICITY IN PERFORMING TOTAL AND PARTIAL JOINT ARTHROPLASTY



(57) Abstract: Disclosed herein are methods, compositions and tools for repairing articular surfaces repair materials and for repairing an articular surface. The articular surface repairs are customizable or highly selectable by patient and geared toward providing optimal fit and function. The surgical tools are designed to be customizable or highly selectable by patient to increase the speed, accuracy and simplicity of performing total or partial arthroplasty.

WO 2004/049981 A3



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
14 April 2005

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.