${\bf (19)}\ World\ Intellectual\ Property\ Organization$

International Bureau



) | 1881| | 1881| | 1881| | 1881| | 1881| | 1881| | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 18

(43) International Publication Date 23 December 2004 (23.12.2004)

PCT

(10) International Publication Number WO 2004/110308 A3

- (51) International Patent Classification: *A61F 2/28* (2006.01)
- (21) International Application Number:

PCT/US2004/018618

- (22) International Filing Date: 10 June 2004 (10.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

60/478,130 11 June 2003 (11.06.2003)

- (71) Applicant (for all designated States except US): OS-TEOTECH, INC. [US/US]; 51 James Way, Eatontown, NJ 07724 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BUREL, Marc, Henry [US/US]; 6 James Terrace, Towaco, NJ 07082 (US). CLARK, Chris, H. [US/US]; 39 Little Street, Matawan, NJ 07747 (US). FORSYTH, Nanette [US/US]; 226 Lakewood Avenue, Bayville, NJ 08721 (US). MORRIS, John, W. [US/US]; 608 Beach Avenue, Beachwood, NJ 08722 (US). QUACKENBUSH, David, F. [US/US]; 9 Briar Hill Drive, Manalapan, NJ 07726 (US). TRAIANEDES, Kathy [AU/AU]; 74 Nirvana Avenue, Malvern East VIC. 3145 (AU). WATSON, Kimberly, D. [US/US]; 55 East Kings Highway, Apt. 603, Maple Shade, NJ 08052 (US). YONCAK, Richard, Anthony [US/US]; 168 Pinetree Court, Howell, NJ 07731 (US).
- (74) Agents: DILWORTH, Peter, G. et al.; Dilworth & Barrese, LLP, 333 Earle Ovington Boulevard, Uniondale, NY 11553 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): 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, NA, 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 (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

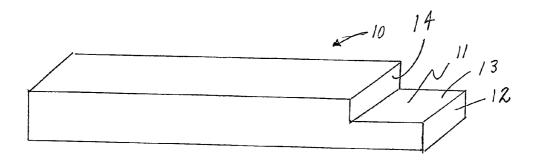
Published:

- 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
- (88) Date of publication of the international search report: 26 October 2006
- (15) Information about Correction: Previous Correction:

see PCT Gazette No. 13/2006 of 30 March 2006

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.

(54) Title: OSTEOIMPLANTS AND METHODS FOR THEIR MANUFACTURE



(57) Abstract: An osteoimplant is made up of a coherent aggregate of elongate bone particles.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/18618

A. CLASSIFICATION OF SUBJECT MATTER IPC: A61F 2/28(2006.01)		
USPC: 623/23.63 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) U.S.: 623/23.63, 23.51, 23.51, 16.11		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.
X US 6,123,731 A (Boyce et al.) 26 September 2000 ((27.09.2000), Figures 1-8A	1-60
Further documents are listed in the continuation of Box C.	See patent family annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the intendate and not in conflict with the application principle or theory underlying the inventors.	tion but cited to understand the tion
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the cl considered novel or cannot be considered when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the cl considered to involve an inventive step with one or more other such documents	when the document is combined
"O" document referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent fa	•
Date of the actual completion of the international search	Date of mailing of the integrational searce	h report 2006
11 July 2006 (11.07.2006) Name and mailing address of the ISA/US	Authorized officer	2000
Mail Stop PCT, Attn: ISA/US	For //	
Commissioner for Patents	Corrine McDermott U.	-
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 571-272-4754	
Facsimile No. (571) 273-3201		

Form PCT/ISA/210 (second sheet) (April 2005)