(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 October 2007 (04.10.2007)

PCT

(10) International Publication Number
WO 2007/112123 A3

(51) International Patent Classification:
A61F 2/38 (2006.01)

(21) International Application Number:
PCT/US2007/007746

(22) International Filing Date: 26 March 2007 (26.03.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/388,263 24 March 2006 (24.03.2006) US

(71) Applicant and
(72) Inventor: **EVA, David, T.** [US/US]; 1426 39th Ave E, Seattle, WA 98112-3802 (US).

(74) Agents: **GRAY, Richard, O., Jr.** et al.; Graybeal Jackson Haley LLP, 155 - 108th Ave NE, Suite 350, Bellevue, WA 98004-5973 (US).

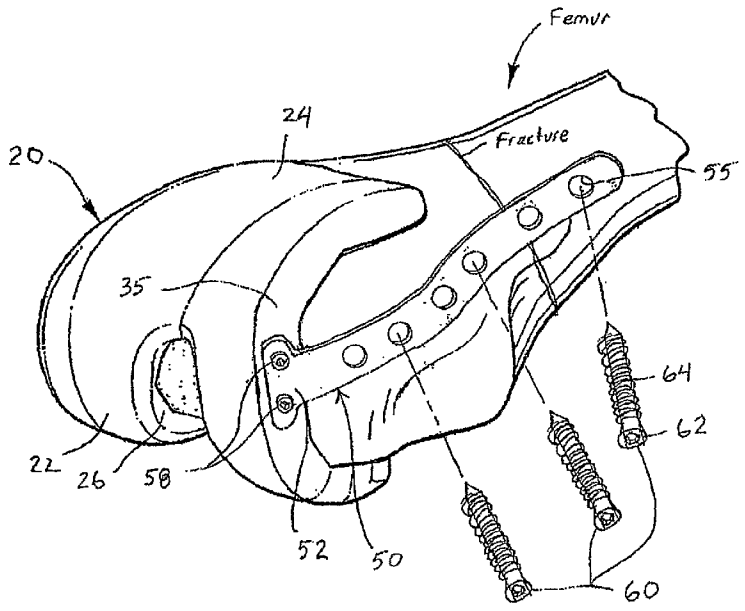
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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, IS, IT, LT, LU, LV, MC, MT, 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*

(88) Date of publication of the international search report:
24 April 2008

(54) Title: APPARATUS AND METHOD FOR THE TREATMENT OF PERIPROSTHETIC FRACTURES



(57) Abstract: An apparatus and method is provided for the reduction and fixation of fractures of a bone to which an implant component has been attached. The apparatus includes a reduction plate that is configured to be anchored to the implant component and to receive bone engaging fasteners to fasten the reduction plate to the bone spanning the fracture. The implant component is provided with attachment points to which the reduction plate may be anchored to the component if and when a fracture occurs. The apparatus may also include an intramedullary nail configured to be anchored to the implant component.

WO 2007/112123 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/07746

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61 F 2/38 (2007.10)
USPC - 623/20.14
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)
IPC(8) - A61F 2/30,2/32,2/36,2/38 (2007.10)
USPC - 606/69; 623/18.11,20.14,20.19,20.21,20.3,20.31,22.35,22.4,23.12

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)
PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,522,902 A (YUAN et al) 04 June 1996 (04.06.1996) entire document	1-3, 14-15, 17-21 --- 4-13, 16, 22-28
Y	US 2004/0102775 A1 (HUEBNER) 27 May 2004 (27.05.2004) entire document	4-13, 16, 22
Y	US 5,443,466 A (SHAH) 22 August 1995 (22.08.1995) entire document	23-28

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"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)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
29 November 2007	28 DEC 2007
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

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