

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 June 2010 (17.06.2010)

(10) International Publication Number
WO 2010/068725 A3

(51) International Patent Classification:
A61F 2/44 (2006.01) A61B 17/70 (2006.01)

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(21) International Application Number:
PCT/US2009/067446

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(22) International Filing Date:
10 December 2009 (10.12.2009)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(25) Filing Language: English

(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,

(26) Publication Language: English

(30) Priority Data:
61/201,518 10 December 2008 (10.12.2008) US
12/380,840 4 March 2009 (04.03.2009) US
12/548,260 26 August 2009 (26.08.2009) US

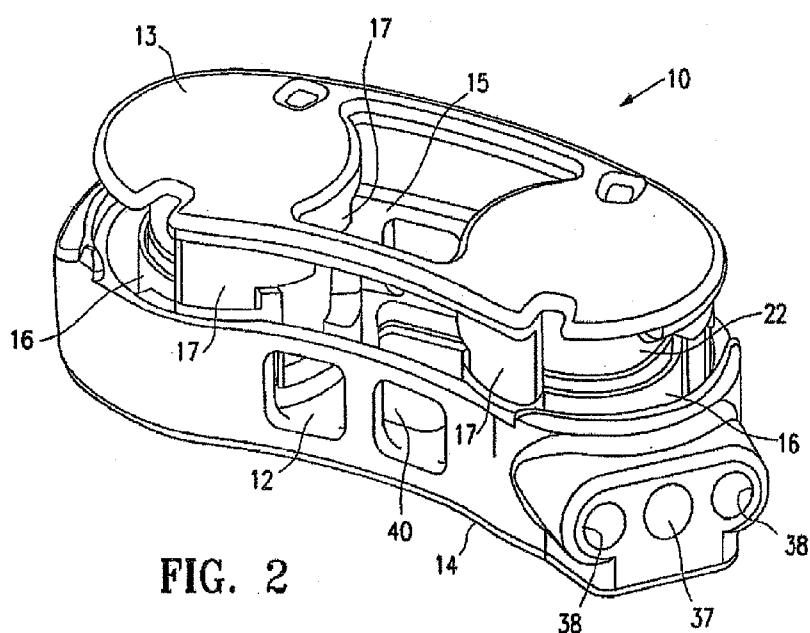
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/Continued on next page/

(54) Title: LOCKABLE EXPANDING SPINE CAGE



(57) Abstract: A spinal implant which is configured to be deployed between adjacent vertebral bodies. The implant has at least one extendable support element with a retracted configuration to facilitate deployment of the implant and an extended configuration so as to expand the implant and effectively distract the disc space, stabilize the motion segments and eliminate pathologic spine motion. Angular deformities can also be corrected, and natural curvatures restored. Preferably, the implant has a minimal dimension in its unexpanded state that is smaller than the dimensions of the neuroforamen through which it typically passes to be deployed within the intervertebral space. The implant is provided with a locking system preferably having a plurality of locking elements to lock the implant in an extended configuration. Bone engaging anchors also may be provided to ensure secure positioning.



ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:

14 October 2010

INTERNATIONAL SEARCH REPORT

International application No. PCT/US2009/067446

A. CLASSIFICATION OF SUBJECT MATTER***A61F 2/44(2006.01)i, A61B 17/70(2006.01)i***

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)

A61F 2/44; A61F 2/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Korean utility models and applications for utility models
 Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 eKOMPASS(KIPO internal) & Keywords: : spinal, implant, contract, lock, bone, anchor, vertebral body, and actuatable

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0147194 A1 (THOMAS GROZT et al.) 19 June 2008 See abstract, paragraphs 15, 17, 74, 75, figure 1, claim 1	1-121
A	US 2008-0114467 A1 (MARCO D. CAPOTE et al.) 15 May 2008 See abstract, paragraph 33, figures 1, 4, claim 1	1-121
A	US 2006-0200244 A1 (RICHARD ASSAKER) 07 September 2006 See abstract, paragraph 43, figure 1	1-121
A	US 2007-0255409 A1 (ANDREW M. DICKSON et al.) 01 November 2007 See abstract, paragraphs 45, 47, figure 2, 3, claim 1	1-121
A	US 2008-0281424 A1 (JOHN PARRY et al.) 13 November 2008 See abstract, paragraphs 79, 80, 85, figure 1, claim 1	1-121
A	US 2008-0177387 A1 (DIANNA ARIMORE et al.) 24 July 2008 See abstract, paragraph 30, figure 2, claim 1	1-121
A	US 2005-0273169 A1 (THOMAS PURCELL) 08 December 2005 See abstract, paragraph 10, figure 1, claim 1	1-121

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Date of the actual completion of the international search
10 AUGUST 2010 (10.08.2010)

Date of mailing of the international search report

13 AUGUST 2010 (13.08.2010)

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
 Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea
 Facsimile No. 82-42-472-7140

Authorized officer

Chio Jun Ho

Telephone No. 82-42-481-5569



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/067446**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0300598 A1 (PETER BARREIRO et al.) 04 December 2008 See abstract, paragraph 38, figure 2, 3, claim 1	1-121

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