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- (71) Applicant (for all designated States except US): **VERTI-FLEX, INC.** [US/US]; 1351 Calle Avanzado, San Clemente, California 92673 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **HAYES, Stanley Kyle** [US/US]; 26721 Magdalena Lane, Mission Viejo, California 92691 (US). **REGLOS, Joey Camia** [US/US]; 22896 Willard Avenue, Lake Forest, California 92630 (US). **ALTARAC, Moti** [IL/US]; 67 Coriander, Irvine, California 92603 (US). **KIM, Daniel H.** [US/US]; 227 East Cowan, Houston, Texas 77007 (US).
- (74) Agent: **LUKAS, Rimas**; 1351 Calle Avanzado, San Clemente, California 92673 (US).
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[Continued on next page]

(54) Title: DYNAMIC ROD

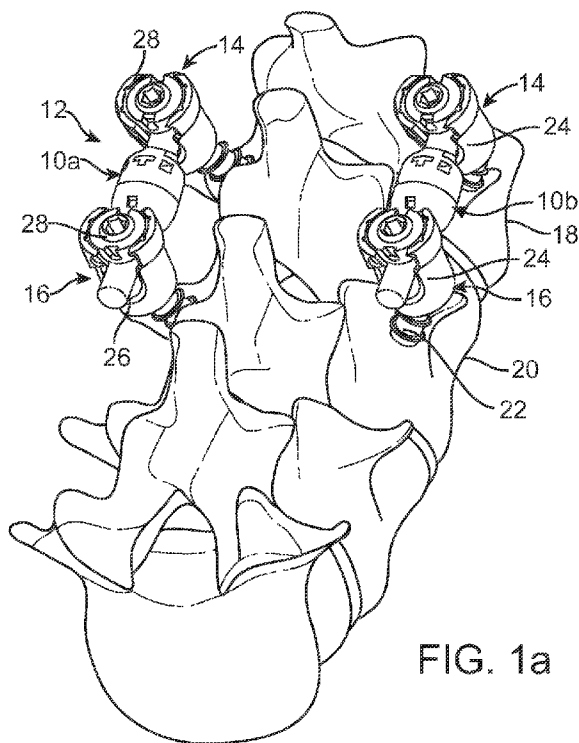


FIG. 1a

(57) Abstract: A dynamic rod implantable into a patient and connectable between two vertebral anchors in adjacent vertebral bodies is provided. The dynamic rod fixes the vertebral bodies together in a dynamic fashion providing immediate postoperative stability and support of the spine. The dynamic rod comprises a first rod portion and a second rod portion connected together. The dynamic rod further includes at least a one bias element configured to provide a bias force in response to deflection or translation of the first rod portion relative to the second rod portion. The dynamic rod includes a locking construct which advantageously enables the extension and/or angulation of one rod portion with respect to the other rod portion to be reversibly locked in position. The dynamic rod permits relative movement of the first and second rod portions allowing the rod to carry some of the natural flexion and extension moments of the spine.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 8 A61B, A61F

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 since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X =====	US 2007/161988 A1(TROY D. DREWRY et al.) 12 JULY 2007 See abstract, figs. 1, 4, paragraphs [1], [15]-[22], claim 1	1, 2, 6, 9, 10, 12, 15, 19 =====
A		3-5, 7, 8, 11, 13, 14, 16-18, 20
A	US 2007/118122 A1(MICHAEL S. BUTLER et al.) 24 MAY 2007 See abstract, figs. 1, 6, 23, 24, paragraphs [46], [47], [57], [59], [61], [62], [79], [81] claims 1, 22, 23	1-20
A	US 2004/236328 A1(DAVID C. PAUL et al.) 25 NOVEMBER 2004 See abstract, figs. 1-4, 5A, paragraphs [21], [65], [92], [93], [123]	1-20
A	EP 1810624 A1(BIEDERMANN MOTECH) 25 JULY 2007 See figs. 1, 6, 10, paragraphs [1], [49], [50], [52], [55], [80], claims 5, 12	1-20



Further documents are listed in the continuation of Box C.



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Authorized officer

KIM, Hee Seung

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Information on patent family members

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