

Title (en)
DYNAMIC ROD

Title (de)
DYNAMISCHE STANGE

Title (fr)
TIGE DYNAMIQUE

Publication
EP 2194897 A4 20120829 (EN)

Application
EP 08833450 A 20080918

Priority
• US 2008076815 W 20080918
• US 99489907 P 20070921

Abstract (en)
[origin: CA2700324A1] A dynamic rod implantable into a patient and connectable between two vertebral anchors in adjacent vertebral bodies is provided. The rod fixes the adjacent vertebral bodies dynamically providing immediate postoperative stability and support of the spine. The rod comprises a first rod portion having a first engaging portion connected to a second rod portion having a second engaging portion. The rod includes at least a one bias element configured to bias a deflection or translation of the first rod portion relative to the second rod portion. The first engaging portion includes at least one side or integral spring formed in the first engaging portion to bias a deflection of the second rod portion relative to the first rod portion. The rod permits relative movement of the first and second rod portions allowing the rod to carry some of the natural flexion and extension moments that the spine is subject to.

IPC 8 full level
A61B 17/70 (2006.01); **A61B 17/58** (2006.01)

CPC (source: EP)
A61B 17/7019 (2013.01)

Citation (search report)
• [X] WO 2007038429 A1 20070405 - ENDIUS INC [US], et al
• [X] EP 1825825 A1 20070829 - FLEXISMED SA [CH]
• [X] EP 0919199 A2 19990602 - SCIENT X SARL [FR]
• [E] WO 2008153747 A2 20081218 - VERTIFLEX INC [US], et al
• [A] WO 2006045091 A2 20060427 - UNIV THE BOARD OF TRUSTEES OF [US], et al
• [A] FR 2869524 A1 20051104 - FORTIN FREDERIC [FR]
• See references of WO 2009042489A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
AU 2008304661 A1 20090402; CA 2700324 A1 20090402; EP 2194897 A2 20100616; EP 2194897 A4 20120829; IL 204597 A0 20101130

DOCDB simple family (application)
AU 2008304661 A 20080918; CA 2700324 A 20080918; EP 08833450 A 20080918; IL 20459710 A 20100318