

Title (en)

DEVICE FOR CORRECTING SCOLIOSIS AND CONTROLLING VERTEBRAL ARTHRODESIS

Title (de)

VORRICHTUNG FÜR SKOLIOSEKORREKTUR UND KONTROLLE VON VERTEBRALER ARTHRODESE

Title (fr)

DISPOSITIF DE CORRECTION DE LA SCOLIOSE ET DE LUTTE CONTRE L'ARTHRODESE DES VERTEBRES

Publication

EP 2654586 A1 20131030 (FR)

Application

EP 11817364 A 20111216

Priority

- FR 1061205 A 20101223
- FR 2011053019 W 20111216

Abstract (en)

[origin: WO2012085405A1] The present invention relates to a device for correcting scoliosis, comprising a pair of distraction rods (2, 3) and a member (4) for linking the distraction rods provided with a means (8) for guiding each of the rods relative to each other inside said linking member. Said device also comprises at least one member (6) for suspending the distraction rods (2, 3) and is capable of imparting flexibility to and exerting a longitudinal preload on the rods so as to increase comfort and prevent the arthrodesis of the vertebrae of the spine of a patient fitted with the correction device. Said device finally comprises a structure for cushioning and translatably locking the distraction rods into the connection member. Said structure is only operative when compressive stresses of the spine of a patient are applied to the distraction rods (2, 3) so as to absorb and counter said compressive stresses and increase the comfort of the patient while preventing the arthrodesis of the spinal vertebrae of a patient.

IPC 8 full level

A61B 17/70 (2006.01)

CPC (source: EP US)

A61B 17/7014 (2013.01 - EP US); **A61B 17/7025** (2013.01 - EP US); **A61B 17/7028** (2013.01 - EP US); **A61B 17/7047** (2013.01 - US); **A61B 17/7052** (2013.01 - US); **A61B 17/705** (2013.01 - EP US)

Citation (search report)

See references of WO 2012085405A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012085405 A1 20120628; EP 2654586 A1 20131030; FR 2969479 A1 20120629; FR 2969479 B1 20131122; US 2013338712 A1 20131219

DOCDB simple family (application)

FR 2011053019 W 20111216; EP 11817364 A 20111216; FR 1061205 A 20101223; US 201113997283 A 20111216