

Title (en)  
FLEXIBLE VERTEBRAL LINKING DEVICE

Title (de)  
FLEXIBLE WIRBELVEBINDUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE LIAISON VERTEBRALE SOUPLE

Publication  
**EP 1408860 A1 20040421 (FR)**

Application  
**EP 02787164 A 20020717**

Priority  
• FR 0202547 W 20020717  
• FR 0109628 A 20010718

Abstract (en)  
[origin: WO03007828A1] The invention concerns a flexible intervertebral linking device (1) consisting of two sets of means. A first set of means (11) consisting of rigid means (110, 112, 114, 116) preferably made of biocompatible metallic materials providing the device with good mechanical resistance by integral load transmission without deformation. A second set of means (12) consisting of flexible or damping means (121 and 122) made of biocompatible viscoelastic materials, admitting repeated elastic deformations, the combination of said two sets of means providing it with both resistance and mechanical stress damping where to it is subjected, to compensate for any deficiency of flexible anatomical links of the human body.

IPC 1-7  
**A61B 17/70**

IPC 8 full level  
**A61B 17/58** (2006.01); **A61B 17/70** (2006.01); **A61F 2/44** (2006.01)

CPC (source: EP US)  
**A61B 17/7025** (2013.01 - EP US); **A61B 17/7004** (2013.01 - EP US); **A61B 17/7023** (2013.01 - EP US); **A61B 17/7031** (2013.01 - EP US)

Citation (search report)  
See references of WO 03007828A1

Cited by  
US8709048B2; US8992577B2

DOCDB simple family (publication)  
**WO 03007828 A1 20030130**; CA 2453989 A1 20030130; EP 1408860 A1 20040421; FR 2827498 A1 20030124; FR 2827498 B1 20040514; JP 2005504566 A 20050217; US 2005165396 A1 20050728; US 2005261685 A1 20051124; US 7763048 B2 20100727; US 7776071 B2 20100817

DOCDB simple family (application)  
**FR 0202547 W 20020717**; CA 2453989 A 20020717; EP 02787164 A 20020717; FR 0109628 A 20010718; JP 2003513440 A 20020717; US 50546904 A 20040820; US 76007504 A 20040118