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(54) Title (EN): MOTION PRESERVING ARTIFICIAL INTERVERTEBRAL DISC DEVICE

(54) Title (FR): DISPOSITIF DE DISQUE INTERVERTÉBRAL ARTIFICIEL À CONSERVATION DE MOUVEMENT

(57) Abstract:

(EN): A motion preserving implant having first and second bearing members and a biasing member disposed therebetween operable to provide resistance to the translation of the bodies with respect to one another. An intervertebral implant having first and second bearing members, a translatable member, a resilient connection between the translatable member and one of the bearing members to allow for relative motion therebetween and bearing surfaces of the translatable member and the other bearing member to allow complex, natural motion between the bearing members. A spinal implant having upper and lower bodies and an articulation surface that allows for polyaxial articulation and translation through a concave articulation surface having a first radius of curvature and a second radius of curvature in at least one plane, and a convex articulation surface having the first radius of curvature in the same plane.

(FR): La présente invention concerne un implant à conservation de mouvement comportant des premier et second éléments de support entre lesquels est disposé un élément de sollicitation utilisable pour assurer une résistance au mouvement de translation des éléments l'un par rapport à l'autre. L'invention porte sur un implant intervertébral comportant des premier et second éléments de support, un élément à mouvement de translation, un raccord élastique entre l'élément à mouvement de translation et l'un des éléments de support pour permettre un mouvement relatif entre ceux-ci et des surfaces de support de l'élément à mouvement de translation et de l'autre élément de support pour permettre un mouvement complexe et naturel entre les éléments de support.

L'invention porte sur un implant vertébral comportant des corps supérieurs et inférieurs et une surface d'articulation qui permet une articulation et une translation polyaxiales grâce à une surface d'articulation concave comportant un premier rayon de courbure et un second rayon de courbure dans au moins un plan, et une surface d'articulation convexe comportant le premier rayon de courbure dans le même plan.

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