Title (en)

Prosthesis for simulating natural kinematics

Title (de)

Prothese zur Simulierung der natürlichen Kinematik

Title (fr)

Prothèse simulant la kinématique naturelle

Publication

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Application

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Abstract (en)

[origin: WO2009056836A2] A bearing component (2) for a joint replacement prosthesis comprises a first bearing element (4); a second bearing element (6), and a linking element (8), operatively connecting the first and second bearing elements (4, 6) and permitting relative motion there between. The flexible linking element (8) prevents dislocation of mobile bearings in a total knee replacement prosthesis. The invention also relates to a bridging element which retains the linking element 8 with some play, which acts as a ligament support (2051), and which causes a deflection of the line of action of a ligament (1018). A joint replacement prosthesis is also disclosed comprising a biasing element (1140) or a tensioning element (1220) operatively coupled to the artificial ligament (1018). The biasing element (1140) or tensioning element (1220) may be housed in the stem of a tibial tray (1006).

IPC 8 full level

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CPC (source: EP US)

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