

Title (en)
PROSTHETIC KNEE-JOINT

Title (de)
PROTHESENKNEIEGELENK

Title (fr)
PROTHESE DE L'ARTICULATION DU GENOU

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Application
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Abstract (en)
[origin: WO2005044155A2] The invention relates to a prosthetic knee-joint comprising an upper part (10) with a fixing device (11) for a receptacle (100) of a leg stump and a lower part (20) that is pivotally connected to the upper part (10) by a multi-axial articulation device. The lower part (20) can be straightened at all times in an unhindered manner and a locking device is provided to prevent flexion of the articulation device. The aim of the invention is to provide a prosthetic knee-joint that allows ease of movement when standing up and sitting down on a chair. In addition, said prosthetic knee-joint should remain stable and locked when standing and walking to provide maximum safety for the geriatric patient. To achieve this, the articulation device has a resistance element (30), which during a flexion exerts a resistance in opposition to the latter within a pre-definable angular range and which can be freely straightened at all times.

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