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**Barsoum et al.**

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(54) **PROSTHETIC JOINT COMPONENT WITH ROTATION-REGULATING STRUCTURE**

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(58) **Field of Classification Search**  
None

See application file for complete search history.

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(57) **ABSTRACT**

An elongate, longitudinally oriented outer sleeve includes an outer sleeve surface and has a sleeve body. A stem-receiving cavity extends from a distal sleeve end into the sleeve body. The distal sleeve end includes a sleeve interference protrusion extending from the distal sleeve end away from the sleeve body. A joint articulating member includes an elongate, longitudinally oriented stem. The joint articulating member includes a joint articulating surface spaced apart from a distal stem end by an angularly extending connector neck. When the stem is inserted into the stem-receiving cavity, the stem and the outer sleeve are configured for selective relative rotation about a shared longitudinal axis, and the connector neck impinges upon the sleeve interference protrusion responsive to a predetermined amount of relative rotation between the stem and the outer sleeve to prevent relative rotation between the stem and the outer sleeve outside a predetermined range of allowable rotation.

**22 Claims, 7 Drawing Sheets**

