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**Biedermann et al.**

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- (54) **POLYAXIAL BONE ANCHORING DEVICE**
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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 326 days.

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(57) **ABSTRACT**

A polyaxial bone anchoring device is provided comprising a bone anchoring element having a shank to be anchored in the bone and a head; a receiving part coupled to the shank and configured to pivotably receive the head, and having a channel for receiving a rod and a longitudinal axis; a pressure member arranged in the receiving part and configured to exert pressure onto the head to lock the head; a locking member that is insertable into the channel, the locking member comprising a top end and a bottom end facing the pressure member; a deformable first portion and a second portion provided at the bottom end; wherein, when the locking member is advanced into the channel along the longitudinal axis the deformable first portion is deformed resulting in a load applied to the pressure member that clamps the head, and the second portion clamps the rod.

- Related U.S. Application Data**
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- (30) **Foreign Application Priority Data**
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- (58) **Field of Classification Search**  
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