

Title (en)
TENSION CLAMP

Title (de)
SPANNKLEMME

Title (fr)
PINCE DE SERRAGE

Publication
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Application
EP 11726046 A 20110325

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• DE 102010013055 A 20100326
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Abstract (en)
[origin: WO2011116756A2] The invention relates to a tension clamp (2) for fastening rails, comprising a U-shaped center section (20) and limbs (21, 22) extending outwardly. The limbs transition across a torsion section (A) into a curved retaining arm (27, 28). In order to keep the loss of tension force as low as possible, the ratio of the curvature-free torsion segment CTS (A) to the lever arm LA (B) fulfills the condition $0.05 < \text{CTS/LA} < 0.6$. By defining the minimum and maximum ratio of CTS/LA, a spring characteristic having a flat slope is achieved in relation to CTS or LA in order to minimize the change in the tension force in relation to the spring travel.

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E01B 9/303 (2013.01); **E01B 9/483** (2013.01)

Citation (search report)
See references of WO 2011116756A2

Citation (examination)
• EP 1246970 A1 20021009 - VOSSLOH WERKE GMBH [DE]
• DE 3334119 A1 19850404 - VOSSLOH WERKE GMBH [DE]
• EP 1693514 A2 20060823 - RAILTECH INT [FR]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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WO 2011116756 A2 20110929; WO 2011116756 A3 20111124

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