

Title (en)  
CLAMPING SPRING FOR A SPRING-LOADED CLAMP

Title (de)  
KLEMMFEDER FÜR EINE FEDERKRAFTKLEMME

Title (fr)  
RESSORT DE SERRAGE POUR BORNE À RESSORT

Publication  
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Application  
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Abstract (en)  
[origin: WO2010079130A1] The invention relates to a clamping spring (10) for a spring-loaded clamp, comprising a clamping arm (12) and a supporting arm (14), wherein the clamping arm (12) and the supporting arm (14) are connected to each other by way of a bending joint (16). The clamping arm (12), the supporting arm (14), and the bending joint (16) are produced from a spring steel strip, wherein the spring steel strip has a larger width in the area of the bending joint (16) than in the area of the clamping arm (12) and the supporting arm (14). The invention further relates to a receiving element (30) for receiving the clamping spring (10) and to a housing (52), in which the receiving element (30) can be arranged together with the clamping spring (10). The clamping spring (10) according to the invention is characterized by an optimal mechanical stress distribution in the clamping spring (10). By means of the receiving element (30) according to the invention and the housing (52) according to the invention, a simple design of a spring-loaded clamp using the least number of components possible is achieved.

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