

Title (en)  
LOW FORCE TEMPORARY FASTENER

Title (de)  
PROVISORISCHES BEFESTIGUNGSELEMENT MIT GERINGER KRAFT

Title (fr)  
ÉLÉMENT DE FIXATION TEMPORAIRE À FORCE RÉDUITE

Publication  
**EP 2804720 B1 20170315 (EN)**

Application  
**EP 12701627 A 20120117**

Priority  
US 2012021581 W 20120117

Abstract (en)  
[origin: WO2013109251A1] An apparatus for clamping a work piece at a maximum force may include a body, a rod, a cap, a biasing mechanism, and a pair of tangs. A first end of the body may be configured to engage a first surface of the work piece. The rod may be configured to move along the axial length of the body. Rotating the cap may cause the cap to move axially along the rod along threads. A biasing mechanism may be connected to the rod such that axial movement of the rod beyond a desired point may engage the biasing mechanism. Rotation of the cap may be configured to compress the biasing mechanism. The tangs may be configured to engage a second surface of the work piece at a desired level of force at different levels of extension of the tangs and rod.

IPC 8 full level  
**B25B 31/00** (2006.01)

CPC (source: EP)  
**B25B 31/005** (2013.01)

Citation (examination)  
EP 0466609 A1 19920115 - AEROSPATIALE [FR]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2013109251 A1 20130725**; EP 2804720 A1 20141126; EP 2804720 B1 20170315

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