

Title (en)
CLAMPING ELEMENT

Title (de)
SPANNELEMENT

Title (fr)
ÉLÉMENT DE SERRAGE

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Application
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Abstract (en)
[origin: WO2009087075A1] The invention relates to a clamping element for fixing a workpiece, comprising a housing (10) that is fixed during operation, a clamping lever (50) that can be moved relative to the housing (10) and has a clamping region (54) for subjecting the workpiece to a force, as well as a piston (40) that can be deployed in a translatory manner relative to the housing (10) in a deployment direction (1). The invention is characterized in that the piston (40) is designed for pivoting the clamping lever (50) so that the clamping lever (50) can be moved between a released initial state and a clamped final state, wherein the clamping lever (50) is mounted at the housing (10; 110; 210; 310) in a pivotally movable manner about a main pivoting axis (2). According to the invention, the piston (40) has a contact surface (42b) along which a contact surface (60b) of the clamping lever (50) slides during a common clamping movement of the clamping lever (50) with the piston (40), said contact surface (60b) corresponding to the contact surface (42b) of the piston (40). During a common clamping movement of the clamping lever (50), the contact surfaces (42b, 60b) are always at least in sections brought into surface contact with the piston (40). The clamping lever according to the invention allows for a high stability in the event of high transferable forces.

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