

Title (en)  
Diecast piston

Title (de)  
Druckgusskolben

Title (fr)  
Piston de fonderie sous pression

Publication  
**EP 2431112 B1 20160511 (DE)**

Application  
**EP 11174686 A 20110720**

Priority  
DE 202010008596 U 20100921

Abstract (en)

[origin: EP2431112A1] The piston head for mounting on a piston head carrier (3) in the area of pressure casting, comprises a coaxial mounting part (4), a mounting ring connected with piston head body by laser cladding in material-fit manner, and a device (5) for adjustably changing a common effective axial length of piston head, and a coaxial mounting part. The piston head and the mounting part are introduced by clamping power of the changing device in a stop (6) of a piston head carrier. The changing device comprises threads complementary to each other on piston head and the mounting part. The piston head for mounting on a piston head carrier (3) in the area of pressure casting, comprises a coaxial mounting part (4), a mounting ring connected with piston head body by laser cladding in material-fit manner, and a device (5) for adjustably changing a common effective axial length of piston head, and a coaxial mounting part. The piston head and the mounting part are introduced by clamping power of the changing device in a stop (6) of a piston head carrier. The changing device comprises threads complementary to each other on piston head and the mounting part. The mounting part is a thread ring (7) floatably arranged on the piston head carrier with external thread and the piston head comprises a corresponding internal thread as metric thread. The mounting part is polygonally formed on its radially external surface. The mounting part is formed on its side turned to the stop in compensated manner. The piston head is formed in multi-part manner and consists of copper-alloy. The external cover area of the mounting ring is arranged by galvanic material application in wear-resistant manner.

IPC 8 full level  
**B22D 17/20** (2006.01)

CPC (source: EP)  
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