

Title (en)  
PISTON FOR AXIAL-PISTON ENGINES

Publication  
**EP 0309728 A3 19891004 (DE)**

Application  
**EP 88113639 A 19880822**

Priority  
DE 3732648 A 19870928

Abstract (en)  
[origin: EP0309728A2] In a piston (1) for axial-piston engines, the piston (1) being designed as a hollow body with an axial cut-out (2), on whose circumferential wall there are arranged at least two annular shoulder surfaces (6), which run in the circumferential direction, face away from one another and are spaced apart from one another, and which engage with light-alloy material (4) cast into the cut-out (2), it is intended to improve the attachment of the light-alloy material (4) in the hollow body, while ensuring a simple design. This is achieved by the shoulder surfaces (6) extending essentially at right angles to the longitudinal axis (7) of the piston (1), and by the light-alloy material (4) being clamped in a force-fit manner onto the shoulder surfaces (6), with shrinkage. <IMAGE>

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**F01B 3/00**

IPC 8 full level  
**B22D 19/00** (2006.01); **F01B 3/00** (2006.01); **F16J 1/22** (2006.01)

CPC (source: EP)  
**F01B 3/0085** (2013.01)

Citation (search report)  
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