

Title (en)  
AXIAL PISTON MACHINE

Publication  
**EP 0252105 B1 19910320 (DE)**

Application  
**EP 87900123 A 19861212**

Priority  
DE 3545137 A 19851219

Abstract (en)  
[origin: WO8703926A1] A piston is used in axial piston machines, in particular short-stroke axial piston machines of the type having an inclined disk and a through-bore in the axis of symmetry of the piston. In order to obtain a piston having a dead volume and a mass as reduced as possible and which is easy to manufacture, the piston is provided, in the axial direction, only in a first zone turned towards the free end of the cylinder, i.e. the ball-and-socket joint of the cylinder, and in a second zone, at its other end, with the outer profile that corresponds to the cross-section of the cylinder. In the intermediary zone lying between its two ends the piston has a considerably smaller cross-section.

IPC 1-7  
**F01B 3/00**; **F04B 1/12**; **F04B 21/04**

IPC 8 full level  
**F01B 3/00** (2006.01); **F04B 1/12** (2006.01)

CPC (source: EP)  
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