

Title (en)
PISTON WITH A MEMBER IN PARTIALLY STABILIZED ZIRCONIA

Publication
EP 0106187 B1 19851121 (DE)

Application
EP 83109257 A 19830919

Priority
DE 3237469 A 19821009

Abstract (en)
[origin: ES283296U] A piston arrangement with a metal shaft, a piston head that is attached to it with a shrink ring, and a member made of partially stabilized zirconium oxide. The top which demarcates the combustion chamber, of the piston head, consists entirely of the member made of partially stabilized zirconium oxide. The bottom of the zirconium-oxide member is a truncated cone and the top of the shaft is a truncated cone. They are surrounded by an annular component that is split into two sections parallel to the longitudinal axis of the piston. The annular component is secured with an outside shrink ring.

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F02F 3/00; **F16B 4/00**; **F16J 1/00**

IPC 8 full level
F02F 3/00 (2006.01); **F02F 7/00** (2006.01); **F16B 4/00** (2006.01); **F16J 1/00** (2006.01); **F16J 1/01** (2006.01)

CPC (source: EP US)
F02F 3/0015 (2013.01 - EP US); **F02F 7/0087** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US); **F05C 2201/0448** (2013.01 - EP US); **F05C 2251/042** (2013.01 - EP US)

Cited by
EP2312155A1; US7588495B2; US6964611B2; US7452270B2; US7179168B1; US7867076B2; US7874906B2; US7878894B2; US7303468B2; US7008318B2; US6942570B2; US6607439B2; US7887405B2

Designated contracting state (EPC)
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