

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.

IPC 1-7

**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)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0106187 A1 19840425**; **EP 0106187 B1 19851121**; AT E16627 T1 19851215; DE 3237469 A1 19840412; DE 3237469 C2 19840809; DK 433283 A 19840410; DK 433283 D0 19830922; ES 283296 U 19850501; ES 283296 Y 19851216; JP S5987252 A 19840519; NO 155985 B 19870323; NO 155985 C 19870701; NO 833229 L 19840410; US 4535683 A 19850820

DOCDB simple family (application)

**EP 83109257 A 19830919**; AT 83109257 T 19830919; DE 3237469 A 19821009; DK 433283 A 19830922; ES 283296 U 19831006; JP 18857683 A 19831011; NO 833229 A 19830909; US 53621483 A 19830927