

Title (en)
Piston for an internal combustion engine

Title (de)
Kolben für Brennkraftmaschine

Title (fr)
Piston pour un moteur à combustion interne

Publication
EP 1729003 A3 20070829 (DE)

Application
EP 06010563 A 20060523

Priority
DE 102005026664 A 20050602

Abstract (en)
[origin: EP1729003A2] The piston has a piston casing with polytetrafluoroethylene free lacquer section applied based on PAI as slipping coating, where the section has 5 - 25 micrometer (mm) thickness. The PAI has 5 -15 weight percentage of zinc sulfide and 5-15 weight percentage of graphite or molybdenum disulfide and 5-15 weight percentage of titanium di oxide. The zinc sulfide and titanium di oxide exist a particle size of same and greater than 0.7 (mm). The lacquer section has a thickness of about 8 - 20 micrometer, and the piston is made of aluminum alloy.

IPC 8 full level
F02F 3/10 (2006.01)

CPC (source: EP)
F02F 3/10 (2013.01); **F05C 2201/021** (2013.01); **F05C 2201/903** (2013.01); **F05C 2225/06** (2013.01); **F05C 2253/12** (2013.01)

Citation (search report)
• [A] EP 1479946 A2 20041124 - NISSAN MOTOR [JP]
• [A] EP 1440718 A1 20040728 - DELPHI TECH INC [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1729003 A2 20061206; EP 1729003 A3 20070829; EP 1729003 B1 20091223; DE 102005026664 A1 20061207;
DE 102005026664 B4 20080124; DE 502006005712 D1 20100204

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