

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 B1 20091223 (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)

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