

Title (en)

Engine piston and method for cladding said piston with a hard layer

Title (de)

Kolben für Verbrennungskraftmaschinen und Verfahren zum Herstellen der Oberflächenarmierung eines Kolbens

Title (fr)

Piston pour moteur et procédé pour couvrir ce piston avec une couche dur

Publication

EP 1081367 A3 20020130 (DE)

Application

EP 00118129 A 20000828

Priority

DE 19941626 A 19990901

Abstract (en)

[origin: DE19941626C1] Piston made of an aluminum alloy has an annular groove region provided with an anodizing coating (6). A solid lubricant (12) is embedded in the pores and gaps (10) of the coating open to the surface. An Independent claim is also included for a process for the production of surface sheathing a piston comprises applying the solid lubricant in suspension, and inserting into the gaps of the coating using capillary forces whilst the surface region of the coating is wetted with the suspension by spraying.

IPC 1-7

F02F 3/12; **F02F 3/10**

IPC 8 full level

F02F 3/10 (2006.01)

CPC (source: EP)

F02F 3/10 (2013.01); **F05C 2201/021** (2013.01); **F05C 2201/0448** (2013.01)

Citation (search report)

- [X] GB 492345 A 19380919 - ALUMINUM COLORS INC
- [X] US 4666786 A 19870519 - YANO HIDEO [JP], et al

Cited by

EP1504940A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19941626 C1 20010215; **DE 19941626 C5 20140515**; EP 1081367 A2 20010307; EP 1081367 A3 20020130

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