

Title (en)
Composite piston for internal combustion engine

Title (de)
Gebauter Kolben für Verbrennungsmotoren

Title (fr)
Piston composite pour moteur à combustion interne

Publication
EP 0697513 B1 19980923 (DE)

Application
EP 95109581 A 19950621

Priority
DE 4429489 A 19940819

Abstract (en)
[origin: EP0697513A1] The internal combustion engine piston includes an upper section (1) made of ferrous material, together with a lower section (4) made of light metal or cast iron. The two sections are joined together via axial screws (3) through gilled flat connecting surfaces (2,7). At least one of the connecting surfaces is covered with a coating layer (6) comprising a solid lubricant such as graphite, bonded in hardened resin. The coating layer has a thickness of between 10 and 30 mm. and may be applied by spraying, painting or screen printing.

IPC 1-7
F02F 3/00

IPC 8 full level
F02F 3/00 (2006.01); **F02F 3/22** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)
F02F 3/0023 (2013.01); **F02F 3/22** (2013.01); **F02B 3/06** (2013.01)

Cited by
DE19943945A1; GB2343933A; GB2343933B; US6435077B1; EP2094961A2; WO2005121537A1; WO0117695A3

Designated contracting state (EPC)
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