

Title (en)

High density metal alloy piston for internal combustion engine and process for manufacturing such piston

Title (de)

Kolben aus einer hochdichten metallischen Legierung für einen Verbrennungsmotor und Verfahren zur Herstellung eines solchen Kolbens

Title (fr)

Piston à haute densité d'alliage en métal pour le moteur à combustion interne et le procédé pour fabriquer un tel piston

Publication

EP 1719900 A1 20061108 (EN)

Application

EP 05425291 A 20050504

Priority

EP 05425291 A 20050504

Abstract (en)

A high-density metal alloy piston for internal combustion engine is disclosed, comprising a main body (10) in a single piece, such main body (10) having an external sliding skirt (19) along an engine cylinder and equipped with at least one seat (17) for inserting an elastic sealing band, and with a closing member (30) adapted to operate as piston crown when joined to said main body (10).

IPC 8 full level

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CPC (source: EP)

F02F 3/003 (2013.01); **F02F 3/0084** (2013.01); **F02F 3/22** (2013.01); **F05C 2201/0448** (2013.01)

Citation (search report)

- [XA] US 2004177503 A1 20040916 - BING KARLHEINZ [DE], et al
- [X] DE 3032671 A1 19820318 - ALCAN ALUMINIUMWERKE [DE]
- [XA] US 2005034598 A1 20050217 - RIBEIRO CARMO [US], et al
- [A] WO 2005024216 A1 20050317 - MAHLE GMBH [DE], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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