

Title (en)

Method of manufacturing a hollow piston for a piston engine

Title (de)

Verfahren zum Herstellen eines Hohlkolbens für eine Kolbenmaschine

Title (fr)

Procédé pour fabriquer un piston creux pour machine à piston

Publication

EP 1287944 B1 20060607 (DE)

Application

EP 02023313 A 20000630

Priority

- DE 19934216 A 19990721
- EP 00943956 A 20000630

Abstract (en)

[origin: DE19934216A1] The invention relates to a hollow piston (1) for a piston engine comprising a closed annular cavity (9). Said hollow piston is comprised of a first piston part (1a) with a base section (3) from which a joint part (4) extends in one axial direction, and from which a peripheral wall (6) that delimits the annular cavity (9) on the outside, and a mandrel (7) that delimits the annular cavity (9) on the inside extend, each as one piece, in the other axial direction. The hollow piston is also comprised of a second piston part (1b) having a cover (8) which is connected to the ends of the peripheral wall (6) and of the mandrel (7), said ends facing away from the base section (3). In order to achieve an economical and simple production while ensuring the provision of a stabile construction, the peripheral wall (6) and the mandrel (7) are formed on the base section (3) without machining.

IPC 8 full level

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CPC (source: EP US)

F04B 1/124 (2013.01 - EP US); **Y10T 29/49252** (2015.01 - EP US); **Y10T 29/49256** (2015.01 - EP US)

Cited by

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DOCDB simple family (publication)

DE 19934216 A1 20010201; DE 50003918 D1 20031106; DE 50012872 D1 20060706; DE 50012944 D1 20060720; EP 1198325 A1 20020424; EP 1198325 B1 20031001; EP 1287944 A2 20030305; EP 1287944 A3 20030423; EP 1287944 B1 20060607; EP 1288495 A2 20030305; EP 1288495 A3 20030423; EP 1288495 B1 20060531; US 6662709 B1 20031216; WO 0107201 A1 20010201

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