

Title (en)

A CYLINDER CRANK CASE, METHOD FOR THE MANUFACTURE OF A CYLINDER LINER THEREFOR AND METHOD FOR THE PRODUCTION OF THE CYLINDER CRANK CASE WITH SAID CYLINDER LINERS

Title (de)

ZYLINDERKURBELGEHÄUSE, VERFAHREN ZUR HERSTELLUNG DER ZYLINDERLAUFBUCHSEN DAFÜR UND VERFAHREN ZUR HERSTELLUNG DES ZYLINDERKURBELGEHÄUSES MIT DIESEN ZYLINDERLAUFBUCHSEN

Title (fr)

BLOC-CYLINDRES, PROCEDE DE FABRICATION DES CHEMISES DE CYLINDRE CORRESPONDANTES ET PROCEDE DE FABRICATION DU BLOC-CYLINDRES AVEC CES CHEMISES DE CYLINDRE

Publication

**EP 1124660 B1 20051026 (DE)**

Application

**EP 00954591 A 20000805**

Priority

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Abstract (en)

[origin: DE19937934A1] A cylinder crank case made of light weight metal for an internal combustion engine has cylinder liners with a bearing surface which forms a slide layer and a rough outer binding layer for the binding of a cylinder liner to the cylinder crank case during the casting of the cylinder crank case. Relative to the shell surface of the binding layer, at least 60 % of the binding layer is connected by material fit to the cast material of the cylinder crank case.

IPC 1-7

**B22D 19/00**; **C23C 6/00**; **F02B 77/02**; **F02F 1/20**

IPC 8 full level

**F02F 1/10** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP US)

**F02F 1/004** (2013.01 - EP US); **F02F 1/10** (2013.01 - EP US); **F02F 7/00** (2013.01 - EP US); **F05C 2253/12** (2013.01 - EP US); **Y10T 29/49231** (2015.01 - EP US); **Y10T 29/4927** (2015.01 - EP US)

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