

Title (en)

FERROUS LAYER FOR A SLIDING SURFACE, IN PARTICULAR FOR CYLINDER RUNNING SURFACES ON ENGINE BLOCKS, APPLIED BY MEANS OF THERMAL SPRAYING

Title (de)

DURCH THERMISCHES SPRITZEN AUFGEBRACHTE EISENHALTIGE SCHICHT EINER GLEITFLÄCHE, INSBESONDERE FÜR ZYLINDERLAUFFLÄCHEN VON MOTORBLÖCKEN

Title (fr)

COUCHE CONTENANT DU FER, APPLIQUEE PAR PROJECTION THERMIQUE, SERVANT DE SURFACE DE FROTTEMENT, DESTINEE NOTAMMENT A DES SURFACES DE FROTTEMENT DE CYLINDRES DE BLOCS-MOTEURS

Publication

EP 1711642 B1 20100707 (DE)

Application

EP 05707873 A 20050128

Priority

- EP 2005050357 W 20050128
- DE 102004004457 A 20040128

Abstract (en)

[origin: EP1559807A1] Some material is first removed. An iron-containing layer is coated onto the sliding surface by thermal-spraying. This layer has an amorphous structure. It contains finely-divided nano-crystalline metal borides and/or metal carbides. Further borides and/or carbides precipitate into the layer, following subsequent heat treatment. An independent claim is included for the corresponding, repaired sliding bearing surface.

IPC 8 full level

C23C 4/18 (2006.01); **C23C 4/00** (2006.01); **C23C 4/06** (2006.01)

CPC (source: EP)

C23C 4/00 (2013.01); **C23C 4/06** (2013.01); **C23C 4/18** (2013.01)

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