

Title (en)

WEAR-RESISTANT SINTERED FERROUS ALLOY AND METHOD OF PRODUCING SAME

Publication

**EP 0099067 B1 19870616 (EN)**

Application

**EP 83106624 A 19830706**

Priority

JP 11864782 A 19820709

Abstract (en)

[origin: EP0099067A2] A sintered ferrous alloy high in wear resistance and suitable for parts subjected to rubbing friction such as rocker arm tips. The alloy is produced by compacting and sintering a powder mixture of 16-50 parts by weight of a Fe-Cr-B alloy powder, which contains 10-35% of Cr and 1.0-2.5% of B, 1.0-3.5 parts by weight of graphite powder and 46.5-83 parts by weight of either a Fe-P alloy powder or a mixture of a Fe-P alloy powder and an iron powder. The powder mixture is prepared so as to contain 0.2-1.0% by weight of P.

IPC 1-7

**C22C 33/02**

IPC 8 full level

**B22F 5/00** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01)

CPC (source: EP)

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**EP 0099067 A2 19840125**; **EP 0099067 A3 19851121**; **EP 0099067 B1 19870616**; AU 1644783 A 19840202; AU 536739 B2 19840524; DE 3372110 D1 19870723; JP S599151 A 19840118

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