

Title (en)

WEAR-RESISTANT SINTERED FERROUS ALLOY AND METHOD OF PRODUCING SAME

Publication

EP 0099067 A3 19851121 (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)

C22C 33/0207 (2013.01); **C22C 33/0257** (2013.01)

Citation (search report)

- [E] EP 0098536 A2 19840118 - NISSAN MOTOR [JP]
- [XP] FR 2498633 A1 19820730 - HONDA MOTOR CO LTD [JP]
- [X] DE 3015898 A1 19801106 - NIPPON PISTON RING CO LTD
- [X] GB 2007710 A 19790523 - NIPPON PISTON RING CO LTD
- [Y] EP 0011989 A1 19800611 - ALLEGHENY LUDLUM STEEL [US]
- [A] US 4230491 A 19801028 - BEHNKE ROBERT C

Cited by

KR100893840B1; KR100802219B1; EP0202035A1; US4702771A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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

DOCDB simple family (application)

EP 83106624 A 19830706; AU 1644783 A 19830630; DE 3372110 T 19830706; JP 11864782 A 19820709