

Title (en)
METAL-POWDER BLEND.

Title (de)
METALLPULVERMISCHUNG.

Title (fr)
MELANGE DE POUDRE METALLIQUE.

Publication
EP 0597832 B1 19950628 (DE)

Application
EP 90914132 A 19900928

Priority
• DE 4001900 A 19900119
• DE 9000751 W 19900928

Abstract (en)
[origin: WO9110753A1] The invention proposes a metal-powder blend which can be produced simply and can be used to manufacture high-strength wear-resistant cylinder parts to tight dimensional tolerances. This metal-powder blend consists of a steel powder formed by atomizing a steel melt and mixed with 0.3-0.7 % by wt. of graphite, the steel powder consisting of: max. 0.02 % by wt. C; max. 0.03 % by wt. Si; .05-0.25 % by wt. Mn; 2.5-5.0 % by wt. Ni; 0.2-1.5 % by wt. Mo, remainder iron and the usual impurities and the blend contains in addition 0.7-1.5 % by wt. of finely divided Cu, with the provision that the weight ratio of Cu:graphite lies within the range 1.4-2.5.

IPC 1-7
C22C 33/02

IPC 8 full level
B22F 1/00 (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/12** (2006.01)

CPC (source: EP)
C22C 33/0264 (2013.01)

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
WO 9110753 A1 19910725; AT E124467 T1 19950715; CA 2074193 A1 19910720; CA 2074193 C 20030916; DE 4001900 A1 19910725; DE 59009358 D1 19950803; EP 0597832 A1 19940525; EP 0597832 B1 19950628; JP 2908018 B2 19990621; JP H05503318 A 19930603

DOCDB simple family (application)
DE 9000751 W 19900928; AT 90914132 T 19900928; CA 2074193 A 19900928; DE 4001900 A 19900119; DE 59009358 T 19900928; EP 90914132 A 19900928; JP 51322790 A 19900928