

Title (en)
PROCESS FOR MANUFACTURING A SINTERED WORK PIECE

Publication
EP 0283464 B1 19930526 (DE)

Application
EP 88890044 A 19880307

Priority
AT 61387 A 19870316

Abstract (en)
[origin: US4839138A] To make a sintered molding which is provided with at least one molybdenum containing wear-resisting facing (2), a low-alloy iron powder (10) which is intended to form the base of the molding and a carbon-free metal powder mixture (3) which is intended to form the wear-resisting facing (2) and consists of unalloyed iron particles and unalloyed molybdenum particles are jointly molded in a common mold (9) to form a molding, which is subsequently sintered. In order to prevent a mixing of the two metal powder layers, the metal powder which is intended to form the wear-resisting facing (2) is separately compacted to form a compact (5) before the mold (9) is charged with the iron powder (10) that is intended to form the base of the molding.

IPC 1-7
B22F 7/06; F01L 1/18

IPC 8 full level
B22F 7/06 (2006.01); **C22C 33/02** (2006.01)

CPC (source: EP US)
B22F 7/06 (2013.01 - EP US); **C22C 33/0278** (2013.01 - EP US)

Cited by
DE19634314A1; AT395550B; EP0449566A1

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

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EP 0283464 A2 19880921; EP 0283464 A3 19890510; EP 0283464 B1 19930526; AT 388523 B 19890725; AT A61387 A 19881215; CA 1282914 C 19910416; DE 3881247 D1 19930701; ES 2041340 T3 19931116; JP H0564681 B2 19930916; JP S63247304 A 19881014; US 4839138 A 19890613

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