

Title (en)

Method to obtain coatings on mechanical parts by P/M techniques.

Title (de)

Herstellungsverfahren von Beschichtungen auf mechanischen Teilen durch P/M-Techniken.

Title (fr)

Méthode de préparation de revêtements sur pièces mécaniques par techniques P/M.

Publication

EP 0365460 A1 19900425 (EN)

Application

EP 89500102 A 19891014

Priority

ES 8803147 A 19881017

Abstract (en)

Method to obtain coatings on mechanical parts by P/M techniques by means of a paste composed by a binder and metal and/or ceramic powders comprising operations of slowly adding to the paste an additive formed by a solution of free or complex ions preferentially metallic ones in a polar solvent; homogenizing the paste mixture and the additive; applying of the product obtained that way on the surface of a substrate to coat; removing the binder by a first stage of slow heating (a) and a second stage of fast temperature (b) increase. The mentioned additive is chosen among those that do not produce precipitates under atmospheric pressure below 80o C; they precipitate between 80 and 120o C; and their precipitates are stable below 200o C.

IPC 1-7

B22F 7/04; **C23C 24/08**

IPC 8 full level

B22F 1/10 (2022.01); **B22F 3/10** (2006.01); **B22F 7/04** (2006.01); **C23C 24/08** (2006.01)

CPC (source: EP US)

B22F 1/10 (2022.01 - EP US); **B22F 3/1003** (2013.01 - EP); **B22F 3/1021** (2013.01 - EP); **B22F 7/04** (2013.01 - EP US); **C23C 24/08** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

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EP 0365460 A1 19900425; **EP 0365460 B1 19931124**; AT E97701 T1 19931215; DE 68910937 D1 19940105; DE 68910937 T2 19940601; ES 2009355 A6 19890916

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