Title (en)

Process and bath for applying protective chrome hexavalent coatings on metallic substrates and trade form of the bath components.

Title (de)

Verfahren und Bad zum Auftragen einer Schutzbeschichtung auf der Basis von sechswertigem Chrom auf Metalloberflächen und Handelsform der Badbestandteilen.

Title (fr)

Procédé et bain pour appliquer un revêtement protecteur à base de chrome hexavalent sur un substrat métallique, et forme commerciale des constituants du bain.

Publication

EP 0436408 B1 19950823 (FR)

Application

EP 90403105 A 19901102

Priority

FR 8914526 A 19891106

Abstract (en)

[origin: US5259884A] Process comprising a step for the preparation of the metallic substrate by degreasing, possibly followed by mechanical or chemical pickling, a step comprising the use by immersion or spraying of a bath adapted to provide on the metallic substrate the contemplated protective coating and a curing step at high temperature, and characterized by the fact that the above-mentioned bath comprises at least: a metal in the form of particles, chromic acid and/or one of its derivatives as oxidizing agent, at least one hydrosoluble solvent having a high boiling point and selected from those of the aprotic polar type and of the ketonic type, water.

IPC 1-7

C23C 22/74

IPC 8 full level

C23C 22/24 (2006.01); **C23C 22/26** (2006.01); **C23C 22/74** (2006.01)

CPC (source: EP US)

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US 60961990 A 19901106; AT 90403105 T 19901102; CA 2029381 A 19901106; DE 69021856 T 19901102; EP 90403105 A 19901102; ES 90403105 T 19901102; FR 8914526 A 19891106; JP 29909990 A 19901106