

Title (en)

Anti-wear coating on a titanium based substrate.

Title (de)

Beschichtung zum Schutz vor Verschleiss auf einem Substrat auf Titanbasis.

Title (fr)

Revêtement anti-usure sur un substrat à base titane.

Publication

**EP 0470878 B1 19940629 (FR)**

Application

**EP 91402065 A 19910724**

Priority

FR 9009554 A 19900726

Abstract (en)

[origin: WO9201823A1] Method for depositing an anti-wear coating of Ag or selected from the group of materials including Cr, Ni, Co, taken separately or mixed together with or without ceramic particles such as SiC, Cr<sub>2</sub>C<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub> on a substrate based on titanium. According to the invention, the method comprises the following steps: a) roughing of the substrate by sand-blasting; b) deposition of a priming underlayer of nickel by cathodic spraying; c) intermediary cleaning step; d) activation by immersion of the part in a cyanide bath; i) deposition of the final anti-wear layer of Ag or other materials selected in the group comprised of Cr, Ni, Co taken alone or mixed together with or without ceramic particles such as SiC, Cr<sub>2</sub>C<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>.

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