

Title (en)

Production of aluminum matrix composite coatings of metal structures.

Title (de)

Herstellung von Beschichtungen aus einem Aluminiummatrix-Verbundstoff auf Metallstrukturen.

Title (fr)

Production de revêtements de matériau composite à matrice d'aluminium sur des structures métalliques.

Publication

**EP 0331519 A1 19890906 (EN)**

Application

**EP 89302156 A 19890303**

Priority

US 16423488 A 19880304

Abstract (en)

A method is described for producing a corrosion and mechanical wear resistant coating on a metal surface to be protected. The method comprises (a) providing a rod or wire formed of a metal matrix composite comprising a metal matrix having distributed therein a finely divided solid filler material and (b) applying a coating of said metal matrix composite on said metal surface to be protected by means of a flame spraying or arc spraying process. This results in a coating of improved adhesion and low porosity.

IPC 1-7

**C23C 4/12**

IPC 8 full level

**C23C 4/04** (2006.01); **C23C 4/06** (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP)

**C23C 4/06** (2013.01)

Citation (search report)

- DE 2205199 A1 19720810 - PYROTENYX LTD
- US 3332752 A 19670725 - BATCHELOR CLYDE S, et al
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Designated contracting state (EPC)

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**EP 0331519 A1 19890906; EP 0331519 B1 19920701**; DE 68901935 D1 19920806; DE 68901935 T2 19930114; JP 2694996 B2 19971224; JP H0270053 A 19900308; NO 173946 B 19931115; NO 173946 C 19940223; NO 890923 D0 19890303; NO 890923 L 19890905

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