

Title (en)

ARC SPRAYING OF RAPIDLY SOLIDIFIED ALUMINUM BASE ALLOYS.

Title (de)

BOGENSPRITZEN VON RASCH ABGEKÜHLTEN ALUMINIUMLEGIERUNGEN.

Title (fr)

PULVERISATION A L'ARC D'ALLIAGES A BASE D'ALUMINIUM SOLIDIFIES RAPIDEMENT.

Publication

EP 0513238 B1 19940608

Application

EP 91905287 A 19910115

Priority

- US 9100301 W 19910115
- US 46707290 A 19900118

Abstract (en)

[origin: WO9110760A2] A rapidly solidified aluminum base alloy is formed into a wire and arc sprayed onto a substrate to provide a uniform and contiguous coating. Deposition and retention of the alloy onto the substrate are effected in a single process step. The coating exhibits improved mechanical and physical properties including excellent corrosion and oxidation resistance and improved elevated temperature strength and thermal stability.

IPC 1-7

C23C 4/12; B22F 9/00; C22C 1/10; C22C 1/09

IPC 8 full level

B22F 9/00 (2006.01); **C23C 4/08** (2016.01)

CPC (source: EP)

B22F 9/008 (2013.01); **C23C 4/131** (2016.01)

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