

Title (en)

Low porosity metallic coatings.

Title (de)

Metallische Beschichtungen mit geringer Porosität.

Title (fr)

Revêtements métalliques à basse porosité.

Publication

EP 0098085 A1 19840111 (EN)

Application

EP 83303527 A 19830620

Priority

GB 8218500 A 19820625

Abstract (en)

A metallic coating is formed on a refractory metal substrate, e.g. for providing corrosion resistance, by providing an initial porous metallic coating on the substrate by spraying and then heat treating, e.g. by HF heating, to sinter at least part of the initial coatings and give rise to diffusion into the substrate. Working, e.g. by warm rolling, is carried out to densify the coating. The resulting coating is ductile and may, for example, be of an Al-bearing ferritic steel such as a steel having up to 8% by weight Al and/or up to 25% by weight Cr. The substrate may, for example, be a steel such as stainless steel.

IPC 1-7

C23C 9/02; C23C 7/00; C23C 17/00; B05D 1/08

IPC 8 full level

C23C 4/18 (2006.01); **C23C 10/28** (2006.01)

CPC (source: EP)

C23C 4/18 (2013.01); **C23C 10/28** (2013.01)

Citation (search report)

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