

Title (en)

Bond-coating alloys for thermal spraying.

Title (de)

Heisssspritzbare Legierungen zur Herstellung einer Haftbeschichtung.

Title (fr)

Alliages pour l'obtention de couches de liaison par projection thermique.

Publication

EP 0035377 A1 19810909 (EN)

Application

EP 81300805 A 19810226

Priority

GB 8006763 A 19800228

Abstract (en)

An alloy, suitable for flame spraying in powder form onto a metal substrate to provide a bond-coat thereon, which contains, by weight, from 2 to 30% aluminium, from 2 to 25% chromium, from 0 to 8% silicon, from 0 to 4% boron and from 0 to 6% iron, the balance, apart from impurities, being copper and/or nickel. The alloys are useful for repairing and building up metal surfaces by metal coating, for restoration or finishing purposes, and for acting as a bond-coat for the application of a ceramic coating.

IPC 1-7

C23C 7/00; **C22C 19/05**; **C22C 9/06**

IPC 8 full level

C23C 4/06 (2006.01)

CPC (source: EP)

C23C 4/067 (2016.01)

Citation (search report)

- US 4019875 A 19770426 - DITTRICH FERDINAND J, et al
- Thin Solid Films, Vol. 53, 1978 Lausanne (CH) I. KVERNES et al.: "Use of Corrosion-Resistant Plasma-Sprayed Coatings in Diesel Engines", pages 259-269 * Table 1, sample GA-B, 10 *

Cited by

DE19858913B4; DE3212512A1; US6428858B1; DE3212513A1; EP0081170A3; DE19900942A1; DE19900942C2; US6861612B2; WO02058927A1

Designated contracting state (EPC)

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