

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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