

Title (en)
Method of producing a chromium-base alloy

Title (de)
Verfahren zur Herstellung einer Legierung auf Chrombasis

Title (fr)
Procédé d'obtention d'un alliage à base de chrome

Publication
EP 0570072 B1 19960731 (DE)

Application
EP 93201342 A 19930510

Priority
AT 98192 A 19920514

Abstract (en)
[origin: EP0570072A2] The invention relates to a chromium-base alloy having a chromium content of more than 65% by weight, and the following composition: 0.005 to 5% by weight of one or more rare earth oxides and 0.1 to 32% by weight of one or more metals from the group comprising iron, nickel and cobalt, the remainder being chromium. In addition, the alloy can contain up to 30% by weight of one or more metals from the group comprising Al, Ti, Zr and Hf, up to 10% by weight of one or more metals from the group comprising V, Nb, Mo, Ta, W and Re, and also up to 1% by weight of C and/or N and/or B and/or Si. As compared with pure chromium, the alloy has a markedly improved oxidation resistance and improved corrosion resistance, in particular against vanadium pentoxide.

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B22F 2201/013 (2013.01 - EP US)

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• Week 9048, Derwent Publications Ltd., London, GB; AN 90-358316 & JP-A-2 258 946 (KUBOTA CORPORATION) 19.Oktober 1990 *
Zusammenfassung* * Beispiel 2 *

Cited by
DE10340132B4; DE19546614A1; DE19546614C2; DE102013214464A1; DE102013214464A9; EP2230707A1; US9029044B2

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AT E140981 T1 19960815; AU 3864393 A 19931118; AU 681577 B2 19970904; DE 59303350 D1 19960905; ES 2090843 T3 19961016;
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