

Title (en)
Heat-resistant materials

Title (de)
Hitzebeständige Werkstoffe

Title (fr)
Matériaux résistants à la chaleur

Publication
EP 0429796 B1 19951213 (EN)

Application
EP 90118741 A 19900928

Priority
JP 30009189 A 19891117

Abstract (en)
[origin: EP0429796A1] A heat-resistant material having excellent high-temperature strength and high oxidation resistance at temperatures exceeding 1300 DEG C. The material is a heat-resistant Cr-Fe alloy comprising at least 60% of Cr and at least 5% of Fe, and having a mean grain size of at least 50 μ m and having a melting point of at least 1600 DEG C , or a composite material composed of the said heat-resistant alloy serving as a metal matrix and a ceramic, and containing up to 40% by volume of a dispersed ceramic phase in the metal matrix.

IPC 1-7
C22C 27/06

IPC 8 full level
C21D 1/00 (2006.01); **C22C 1/04** (2006.01); **C22C 27/06** (2006.01); **C22C 32/00** (2006.01)

CPC (source: EP KR)
C22C 27/06 (2013.01 - EP KR); **C22C 32/00** (2013.01 - EP)

Cited by
EP1681361A4; CN108546860A; CN115323234A; WO0073523A1; US7037467B1; US8685315B2

Designated contracting state (EPC)
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EP 0429796 A1 19910605; EP 0429796 B1 19951213; AU 632166 B2 19921217; AU 6329690 A 19910523; DE 69024179 D1 19960125; DE 69024179 T2 19960801; JP 2607157 B2 19970507; JP H03162545 A 19910712; KR 0134182 B1 19980615; KR 910009945 A 19910628

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