

Title (en)
HEAT-RESISTING ALUMINIUM ALLOY AND PROCESS FOR ITS MANUFACTURE

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EP 0219629 B1 19891108 (DE)

Application
EP 86110727 A 19860802

Priority
DE 3533233 A 19850918

Abstract (en)
[origin: US4832737A] A high temperature-resistant aluminum alloy is disclosed, comprising an aluminum matrix containing a dispersion mixture of reinforcing aluminum-iron particles with 2-16% nickel and/or cobalt, 1-6% copper and 1-3% manganese. The weight ratio of the copper to manganese is between about 2:1 and 1:1, and the intermetallic phases of the type AlCuMn, Al3Ni and/or Al9Co2 are present in spherical forms.

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C22C 1/04; C22F 1/04

IPC 8 full level
C22C 1/00 (2006.01); **C22C 1/02** (2006.01); **C22C 1/04** (2006.01); **C22C 21/00** (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP US)
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Cited by
CN109226767A; EP0587186A1; US5419789A

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US 4832737 A 19890523; AT E47890 T1 19891115; DE 3533233 A1 19870319; EP 0219629 A1 19870429; EP 0219629 B1 19891108; ES 2000977 A6 19880401; JP S6274042 A 19870404; NO 168257 B 19911021; NO 168257 C 19920129; NO 863441 D0 19860827; NO 863441 L 19870319

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