

Title (en)
Heat-resistant material.

Title (de)
Hochwarmfester Werkstoff.

Title (fr)
Matériau résistant aux températures élevées.

Publication
EP 0581204 A1 19940202 (DE)

Application
EP 93111790 A 19930723

Priority
DE 4224867 A 19920728

Abstract (en)
The invention relates to a multi-phase heat-resistant material based on an inter-metallic alloy of the type gamma -TiAl, which is intended in particular for use in heat engines such as combustion engines, gas turbines, aircraft engines, having an aluminium content from 30 to 40 atom-% and a silicon content from 0.1 to 20 atom-% and a niobium content from 0.1 to 15 atom-%, the remainder being titanium.

Abstract (de)
Die Erfindung betrifft einen mehrphasigen hochwarmfesten Werkstoff mit einer intermetallischen Basislegierung vom Typ γ -TiAl, der insbesondere für den Einsatz in Wärmekraftmaschinen, wie Verbrennungsmotoren, Gasturbinen, Flugtriebwerken vorgesehen ist, mit einem Gehalt an Aluminium von 30 bis 40 At-% sowie an Silicium von 0,1 bis 20 At-% und einem Gehalt an Niob von 0,1 bis 15 At-%, Rest Titan.

IPC 1-7
C22C 14/00; **C22C 21/00**

IPC 8 full level
C22C 1/00 (2006.01); **C22C 14/00** (2006.01); **C22C 21/00** (2006.01); **C22C 21/02** (2006.01)

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Citation (search report)

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