

Title (en)

Stable heat treatable nickel superalloy single crystal articles and compositions

Title (de)

Wärmebehandlungsfähige, stabile und einkristalline Superlegierung auf Nickelbasis und Artikel

Title (fr)

Superaliage monocristaline à base de nickel de traitement thermique et l'article

Publication

**EP 0962542 A1 19991208 (EN)**

Application

**EP 98303479 A 19980501**

Priority

EP 98303479 A 19980501

Abstract (en)

Improved compositions for fabricating nickel super-alloy single crystal articles are described. The compositions are characterized by the substantial absence of carbon, boron, zirconium and vanadium and intentional additions of cobalt. The cobalt additions increase the stability of the compositions and provide enhanced heat treatability. Single crystal articles of these compositions have utility as gas turbine engine components. <IMAGE>

IPC 1-7

**C22C 19/05**; **C30B 29/52**; **C22F 1/10**

IPC 8 full level

**C22C 19/05** (2006.01)

CPC (source: EP)

**C22C 19/056** (2013.01); **C22C 19/057** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0962542 A1 19991208**

DOCDB simple family (application)

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