

Title (en)

Age hardenable / controlled thermal expansion alloy

Title (de)

Aushärtbare Legierung mit kontrolliertem Wärmeausdehnungskoeffizient

Title (fr)

Alliage à dilatation thermique régulée et durcissable par vieillissement

Publication

EP 0856589 A1 19980805 (EN)

Application

EP 98300279 A 19980115

Priority

US 79060997 A 19970129

Abstract (en)

The alloy of the invention provides a controlled coefficient of thermal expansion alloy that age hardens. This alloy consists essentially of, by weight percent, about 32 to 55 nickel, about 6 to 16 cobalt, about 1.2 to 7 chromium, about 0.25 to 1.5 aluminum, about 0.25 to 3 titanium, about 2 to 8 total (niobium + 1/2 tantalum), about 0.1 to 1.2 silicon and balance iron and incidental impurities with iron being about 28 to 50.

IPC 1-7

C22C 19/05; **C22C 38/10**

IPC 8 full level

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C22C 19/058 (2013.01); **C22C 30/00** (2013.01); **C22C 38/105** (2013.01)

Citation (search report)

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