

Title (en)

Heat treatment process for nickel base superalloy material

Title (de)

Wärmebehandlungsverfahren für Werkstoffkörper aus Nickel-Basis-Superlegierungen

Title (fr)

Procédé de traitement thermique pour matériau en superalliage à base de nickel

Publication

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Application

**EP 97810201 A 19970407**

Priority

DE 19617093 A 19960429

Abstract (en)

[origin: CA2202331A1] In a heat treatment process for material bodies made of nickel base superalloys, in particular for monocrystals made of nickel base superalloys, the heat treatment of the material body comprises the following steps: annealing at 850.degree.C to 1100.degree.C, heating to 1200.degree.C, heating to a temperature of 1200.degree.C < T ~ 1300.degree.C at a heat-up rate of less than or equal to 1.degree.C/min, and a multistage homogenization and dissolution process at a temperature of 1300.degree.C ~ T ~ 1315.degree.C.

IPC 1-7

**C30B 33/00**; **C22F 1/10**

IPC 8 full level

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