

Title (en)

Method for the heat treatment of nickel-based superalloys

Title (de)

Verfahren zur Wärmebehandlung von Nickel-Basis-Superlegierungen

Title (fr)

Procédé pour le traitement thermique de superalliages à base de Ni

Publication

EP 1900839 B1 20131106 (DE)

Application

EP 07114884 A 20070823

Priority

CH 14342006 A 20060907

Abstract (en)

[origin: EP1900839A1] Heat-treatment procedure for a nickel-based-super alloy, preferably to the preparation of single crystal components or rigidly arranged components with a chemical composition, which makes a complete solutionizing possible at a temperature T1, comprises partially controlling the heating of the solution at a temperature T2; which is less than T1, and carrying out the aging-process in two-stages at lowered temperature, where in the first step 5-10% of the undissolved gamma -phase remains eutectic.

IPC 8 full level

C22F 1/10 (2006.01); **C22C 19/05** (2006.01)

CPC (source: EP US)

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Cited by

CN111349766A; CH701415A1; US9017605B2; WO2011003804A1; EP2451986B2

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