

Title (en)

A method of forging a nickel base superalloy

Title (de)

Verfahren zur Verformung einer Superlegierung auf Nickelbasis

Title (fr)

Procédé de forgeage d'un superalliage à base de nickel

Publication

EP 2312000 A1 20110420 (EN)

Application

EP 10176784 A 20100915

Priority

GB 0918020 A 20091015

Abstract (en)

A method of forging a nickel base superalloy comprising providing a nickel base superalloy preform (40) with a first predetermined shape, the nickel base superalloy preform having been produced by powder metallurgy. The nickel base superalloy preform (40) is forged to produce a nickel base superalloy forged component (50) with a second predetermined shape. The first predetermined shape and the second predetermined shape are arranged such that the effective strain at the end of the forging is less than 1. The nickel base superalloy forged component (50) is given a supersolvus heat treatment to produce a large grain size in the nickel base superalloy forged component (50).

IPC 8 full level

C22C 19/03 (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP US)

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Citation (search report)

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