

Title (en)

NICKEL-BASED ALLOY, METHOD AND USE

Title (de)

NICKELBASIERTE LEGIERUNG, VERFAHREN UND VERWENDUNG

Title (fr)

ALLIAGE À BASE DE NICKEL, PROCÉDÉ ET UTILISATION

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Application

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Priority

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Abstract (en)

[origin: WO2015083133A1] Manufacturing method of a nickel-based alloy comprising the steps of forging and solution treating a metal mass of the composition described, subjecting the product to a first step of ageing at a higher temperature and a step of cooling in air, to a second step of ageing at a lower temperature and a step of cooling in air to obtain the nickel-based alloy. As a result of steps i)-v)), said alloy comprises metal hardening phases precipitated uniformly throughout its grains. The invention further relates to nickel-based alloys and a use of such alloys.

IPC 8 full level

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