

Title (en)

METHOD FOR NITRIDING A COMPONENT

Title (de)

VERFAHREN ZUM NITRIEREN EINES BAUTEILS

Title (fr)

PROCÉDÉ DE NITRURATION D'UN ÉLÉMENT DE CONSTRUCTION

Publication

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Application

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Abstract (en)

[origin: WO2017009044A1] The invention relates to a method for nitriding a component (6) composed of a metal material (W) that contains iron as a base metal, wherein, in a first nitriding phase (D1), the component (6) is heated to at least 450 °C and a nitrogen-delivering process gas and/or process gas mixture (7) is provided at the surface (8) of the component such that nitrogen diffuses through the surface (8), wherein a compound layer (V) containing iron nitride is formed in the first nitriding phase (D1), wherein the compound layer (V) is dissolved by heat treatment in a first decomposition phase (E1).

IPC 8 full level

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