

Title (en)
METHOD OF LOW PRESSURE NITRIDING A METAL WORKPIECE AND OVEN FOR CARRYING OUT SAID METHOD

Title (de)
VERFAHREN UND OFEN ZUM NITRIEREN VON METALLISCHEN FORMTEILEN BEI NIEDRIGEN DRUCK

Title (fr)
PROCEDE POUR LA NITRURATION A BASSE PRESSION D'UNE PIECE METALLIQUE ET FOUR POUR LA MISE EN UVRE DUDIT PROCEDE

Publication
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Application
EP 95918040 A 19950421

Priority

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Abstract (en)
[origin: WO9529269A1] Metal workpieces undergo treatment at a temperature of approximately 500 DEG C - 600 DEG C in a low pressure atmosphere produced within an enclosure (1), with injection on the workpieces of a treatment gas composed of a gaseous mixture consisting of at least ammonia and a catalyst promoting the dissociation of ammonia in contact with said workpieces and opposing the recombination of the active nitrogen obtained from this dissociation into molecular nitrogen. According to the invention, bulk parts can be treated as well as complex-shaped workpieces such as tubular parts.

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CPC (source: EP)
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