

Title (en)

METHOD FOR COOLING METALIC ARTICLES HAVING BEEN SUBJECTED TO A NITRIDING OR CARBONITRIDING TREATMENT IN A MOLTEN SALT BATH, APPARATUS THEREFOR AND CORRESPONDING TREATED ARTICLES

Title (de)

VERFAHREN ZUR ABKÜHLUNG VON IN EINER SALZSCHMELZE NITRIERTEN ODER KARBONITRIERTEN METALLISCHEN TEILEN, VORRICHTUNG DAFÜR UND DEMNACH BEHANDELTE TEILEN

Title (fr)

PROCÉDÉ DE REFOUILLISSEMENT DE PIÈCES MÉTALLIQUES AYANT SUBI UN TRAITEMENT DE NITRURATION / NITROCARBURATION EN BAIN DE SEL FONDU, L'INSTALLATION POUR LA MISE EN OEUVRE DU PROCÉDÉ ET LES PIÈCES MÉTALLIQUES TRAITÉES

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Application

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Abstract (en)

[origin: WO2013011228A1] According to the method: prior to the end of the treatment, an enclosure (1) is filled with a liquid cooling agent having a high capacity for volume expansion upon vaporisation, said enclosure being arranged to discharge the oxygen contained therein in order to create an inert atmosphere; all of the treated parts are transferred to the enclosure (1); the enclosure (1) is closed; the parts are left in the enclosure for a pre-determined period of time in order to reach a temperature at which the salt freezes and creates a protective barrier; and the parts are removed and subjected to a rinsing operation.

IPC 8 full level

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CPC (source: EP US)

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