

Title (en)

Method for hardening stainless steel surfaces on workpieces and fused salt for performing the method

Title (de)

Verfahren zum Härten von Oberflächen von Werkstücken aus Edelstahl und Salzschnmelze zur Durchführung des Verfahrens

Title (fr)

Procédé destiné au durcissement de surfaces de pièces usinées en acier inoxydable et sels fondus pour l'exécution du procédé

Publication

**EP 2055801 B1 20121205 (DE)**

Application

**EP 08018519 A 20081023**

Priority

DE 102007051949 A 20071031

Abstract (en)

[origin: CA2642322A1] A method for hardening the surfaces of work pieces made from stainless steel includes submerging the work pieces into a molten salt bath having the composition: potassium acetate 60 - 100 weight %; sodium acetate 0 - 100 weight %; metal salt 0 - 2 weight %, and are subjecting the work pieces to the molten salt bath for a period of 24 to 240 hours, during which the temperature of the molten salt bath is maintained less than 400.degree. C.

IPC 8 full level

**C23C 8/46** (2006.01)

CPC (source: EP US)

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