

Title (en)

SURFACE HARDENED SINTERED IRON WORKPIECE AND METHOD OF MANUFACTURING THIS WORKPIECE

Publication

**EP 0049373 B1 19841031 (DE)**

Application

**EP 81106947 A 19810904**

Priority

DE 3035772 A 19800923

Abstract (en)

[origin: US4508681A] A method is provided for making a surface-hardened sinter-iron part by impregnating the sinter-iron part with an alkali silicate solution, hardening the iron part by heat treatment to harden the surface of the part, the sinter iron part having closed pores on the upper surface.

IPC 1-7

**B22F 3/24**; **C23C 11/00**

IPC 8 full level

**B22F 3/24** (2006.01); **C23C 8/02** (2006.01)

CPC (source: EP US)

**B22F 3/24** (2013.01 - EP US); **C23C 8/02** (2013.01 - EP US)

Cited by

EP0900610A1; DE10047645C2; US6174087B1; US6223437B1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0049373 A1 19820414**; **EP 0049373 B1 19841031**; AT E10070 T1 19841115; BR 8106065 A 19820608; DE 3035772 A1 19820513; DE 3035772 C2 19820930; DE 3166981 D1 19841206; JP S5785904 A 19820528; US 4508681 A 19850402

DOCDB simple family (application)

**EP 81106947 A 19810904**; AT 81106947 T 19810904; BR 8106065 A 19810922; DE 3035772 A 19800923; DE 3166981 T 19810904; JP 14894481 A 19810922; US 56435083 A 19831221