

Title (en)

PROCESS FOR CHROMIZING STEEL ARTICLES, AND CHROMIZED STEEL ARTICLES

Publication

**EP 0018263 B1 19830622 (FR)**

Application

**EP 80400451 A 19800403**

Priority

FR 7910094 A 19790420

Abstract (en)

[origin: US4481264A] The invention relates to a method for chromizing metallic pieces such as steel pieces and to chromized metallic pieces obtained thereby, said metallic pieces, particularly steel, comprising a chromized surface layer with a hardness at least equal to 1200 Vickers degrees and a thickness at least equal to 12 microns as well as an adjacent sub-layer with a hardness less than that of the core of said piece. The chromized surface layer has a depth preferably at least equal to 20 microns, more preferably 30 microns, and the hardness of the sublayer presents a maximum variation of 25 Vickers degrees with respect to that of the core of said piece.

IPC 1-7

**C23F 17/00**; **C23C 9/02**; **C23C 11/04**; **C23C 11/16**

IPC 8 full level

**C23C 8/00** (2006.01); **C23C 10/02** (2006.01); **C23C 12/00** (2006.01); **C23F 17/00** (2006.01)

CPC (source: EP US)

**C23C 8/00** (2013.01 - EP US); **C23C 10/02** (2013.01 - EP US); **C23C 12/00** (2013.01 - EP US); **Y10T 428/12576** (2015.01 - EP US); **Y10T 428/12854** (2015.01 - EP US)

Cited by

EP1904661A4; US8317926B2; WO8607614A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0018263 A1 19801029**; **EP 0018263 B1 19830622**; AT E3883 T1 19830715; DE 3063830 D1 19830728; FR 2454471 A1 19801114; FR 2454471 B1 19831223; US 4481264 A 19841106

DOCDB simple family (application)

**EP 80400451 A 19800403**; AT 80400451 T 19800403; DE 3063830 T 19800403; FR 7910094 A 19790420; US 32343381 A 19811120