

Title (en)
PROCESS FOR CASE HARDENING HIGHER MOLYBDENUM-ALLOYED SINTERED STEELS

Title (de)
VERFAHREN ZUM EINSATZHÄRTEN VON HÖHERMOLYBDÄNLEGIERTEN SINTERSTÄHLEN

Title (fr)
PROCEDE POUR CEMENTER DES ACIERS FRITES AU MOLYBDENE FORTEMENT ALLIES

Publication
EP 0779937 B1 20010926 (DE)

Application
EP 96919584 A 19960525

Priority
• DE 9600916 W 19960525
• DE 19520354 A 19950607

Abstract (en)
[origin: DE19520354A1] The invention concerns a process for case hardening higher molybdenum-alloyed sintered steels. Immediately after sintering, the sintered steels are cooled to a temperature range in which the sintered steel has a minimum content of gamma -iron. In this temperature range the sintered steels are subjected to a heat treatment in the presence of carbon.

IPC 1-7
C22C 33/02; B22F 3/10; C23C 8/22

IPC 8 full level
B22F 3/24 (2006.01); **B22F 3/10** (2006.01); **C21D 1/78** (2006.01); **C22C 33/02** (2006.01); **C23C 8/20** (2006.01); **C23C 8/22** (2006.01)

CPC (source: EP US)
B22F 3/101 (2013.01 - EP US); **C21D 1/78** (2013.01 - EP US); **C22C 33/02** (2013.01 - EP US); **C23C 8/20** (2013.01 - EP US); **B22F 2201/013** (2013.01 - EP US); **B22F 2201/20** (2013.01 - EP US); **B22F 2201/30** (2013.01 - EP US)

Designated contracting state (EPC)
CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
DE 19520354 A1 19961212; **DE 19520354 C2 19970710**; DE 59607766 D1 20011031; EP 0779937 A1 19970625; EP 0779937 B1 20010926; ES 2164895 T3 20020301; JP H10504064 A 19980414; TW 384312 B 20000311; US 5881356 A 19990309; WO 9641031 A1 19961219

DOCDB simple family (application)
DE 19520354 A 19950607; DE 59607766 T 19960525; DE 9600916 W 19960525; EP 96919584 A 19960525; ES 96919584 T 19960525; JP 50006997 A 19960525; TW 85106846 A 19960607; US 77675697 A 19970206