

Title (en)

PROCESS AND APPARATUS FOR HEAT TREATING SECTIONS OF FERROUS WORKPIECES

Publication

EP 0065678 B1 19870527 (DE)

Application

EP 82103913 A 19820506

Priority

CH 331281 A 19810521

Abstract (en)

[origin: EP0065678A1] 1. Process for the partial heat treatment of components made from cast iron materials with spheroidal graphite and a pearlitic basic structure, in which the parts to undergo heat treatment are austenitized by inductive heating in a temperature range 850 to 1000 degrees C and are subsequently left in a quenching medium maintained in a temperature range 180 to 450 degrees C until converted into a bainitic structure.

IPC 1-7

C21D 1/20; **C21D 5/00**

IPC 8 full level

C21D 1/19 (2006.01); **C21D 1/20** (2006.01); **C21D 1/63** (2006.01); **C21D 5/00** (2006.01)

CPC (source: EP)

C21D 1/20 (2013.01); **C21D 1/63** (2013.01); **C21D 5/00** (2013.01)

Citation (examination)

- DIN 17014, März 1975
- DE-B-D 10676/Vla/18c

Cited by

US5028281A; EP0794262A1; US5840136A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0065678 A1 19821201; **EP 0065678 B1 19870527**; AT E27465 T1 19870615; BR 8202893 A 19830503; CA 1200741 A 19860218; CH 653706 A5 19860115; DE 3276438 D1 19870702; JP S57194208 A 19821129

DOCDB simple family (application)

EP 82103913 A 19820506; AT 82103913 T 19820506; BR 8202893 A 19820519; CA 403373 A 19820520; CH 331281 A 19810521; DE 3276438 T 19820506; JP 7926782 A 19820513