

Title (en)
METHOD AND DEVICE FOR THERMAL TREATMENT OF STEEL WIRE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM WÄRMEBEHANDELN VON STAHL DRAHT

Title (fr)
PROCEDE ET DISPOSITIF DE TRAITEMENT THERMIQUE DE FIL D'ACIER

Publication
EP 1268865 B1 20051116 (FR)

Application
EP 01919015 A 20010327

Priority
• BE 0100055 W 20010327
• BE 200000220 A 20000327

Abstract (en)
[origin: WO0173141A1] The invention concerns a method for thermal treatment of steel wire, which consists in raising the temperature of at least one steel wire to be treated up to a temperature for austenitizing the steel, and maintaining the wire at said temperature for a temperature equalizing period within the metal mass of said at least one wire. The invention is characterised in that it comprises forming a fluidised bed, heating the fluidised bed, and moving through said heated fluidised bed at least one metal wire to be treated so as to ensure at least said temperature rise, said heating being at least partly obtained by at least heating the fluidised bed which is produced substantially tangential to an upper average area thereof.

IPC 1-7
C21D 9/567; **C21D 1/53**

IPC 8 full level
C21D 1/53 (2006.01); **C21D 9/52** (2006.01); **C21D 9/56** (2006.01); **C21D 9/567** (2006.01); **F27B 15/14** (2006.01); **C21D 9/64** (2006.01)

CPC (source: EP KR)
C21D 1/52 (2013.01 - KR); **C21D 1/53** (2013.01 - EP KR); **C21D 9/567** (2013.01 - EP KR); **F27D 99/0033** (2013.01 - KR); **C21D 9/64** (2013.01 - EP); **C21D 2211/001** (2013.01 - KR)

Designated contracting state (EPC)
BE GB IT

DOCDB simple family (publication)
WO 0173141 A1 20011004; AU 4625501 A 20011008; BE 1013361 A3 20011204; CA 2404500 A1 20011004; CA 2404500 C 20090922; EP 1268865 A1 20030102; EP 1268865 B1 20051116; JP 2003531960 A 20031028; JP 5060007 B2 20121031; KR 100735434 B1 20070704; KR 20020093865 A 20021216

DOCDB simple family (application)
BE 0100055 W 20010327; AU 4625501 A 20010327; BE 200000220 A 20000327; CA 2404500 A 20010327; EP 01919015 A 20010327; JP 2001570852 A 20010327; KR 20027012879 A 20020927