

Title (en)

Process and device for making a homogeneous austenitic structure.

Title (de)

Verfahren und Vorrichtung zum Einstellen eines homogenen austenitischen Gefüges.

Title (fr)

Procédés et dispositifs pour obtenir une structure d'austénite homogène.

Publication

EP 0347699 A1 19891227 (FR)

Application

EP 89110580 A 19890612

Priority

FR 8808425 A 19880621

Abstract (en)

Process and device (100) for heat-treating at least one carbon steel wire (1) so as to obtain a homogeneous austenite structure, characterised in that the wire (1) is heated in a tube (2) containing a gas (4) virtually free from forced ventilation, the gas (4) being directly in contact with the wire (1), the time for heating the wire (1) being less than 4 seconds per millimetre of diameter of the wire (1). Pearlising installation (300) using such a process and such a device. <??>Steel wires obtained according to this process, this device or this installation. <IMAGE>

IPC 1-7

C21D 9/56; **C21D 9/64**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [Y] US 2218177 A 19401015 - POWELL EVERTON B
- [A] DE 586977 C 19331028 - AEG
- [A] FR 604885 A 19260515 - SIEMENS SCHUCKERTWERKE GMBH
- [A] GB 2174485 A 19861105 - BOARDMAN JEFFERY
- [A] DE 2111631 A1 19720330 - PIRELLI
- [A] WO 8703159 A1 19870521 - MG IND INC [US]
- [A] EP 0270860 A1 19880615 - MICHELIN & CIE [FR]
- [Y] PROSPECTUS BBC

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