

Title (en)

Process and apparatus for heat-treating shaped rolled pieces

Title (de)

Verfahren und Vorrichtung zur Wärmebehandlung von profiliertem Walzgut

Title (fr)

Procédé et appareil de traitement thermique de laminés profilés

Publication

EP 0693562 B1 20000329 (DE)

Application

EP 95890136 A 19950713

Priority

AT 143194 A 19940719

Abstract (en)

[origin: EP0693562A1] Method for treatment of rolled profile material comprises straightening rolled profile (1) with plastic forming at 750-1100 degrees C temp.. Initial cooling takes place with locally equal intensity to 5-120 degrees C temp. above the Ar point of the material. This is followed by cooling which has equal intensity in the longitudinal direction of the profile, but varies along the circumference of the profile cross section to ensure a martensitic-free fine pearlitic structure. Final cooling takes place with locally equal intensity down to room temp.. Also claimed is the appts. for carrying out the above heat treating, novel in that it has a preparatory section (A), a second cooling section (B) and a final cooling section (C).
<IMAGE>

IPC 1-7

C21D 9/04

IPC 8 full level

C21D 9/04 (2006.01); **C21D 1/63** (2006.01); **C21D 8/00** (2006.01)

IPC 8 main group level

C21D 6/00 (2006.01); **E01B 5/00** (2006.01)

CPC (source: EP)

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Cited by

KR100512401B1; EP0849368A1; US6086685A; US7416622B2; CZ299001B6; EP1160341A3; HRP20010411B1; WO03028912A3

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