

Title (en)

Apparatus for cooling and treating heated rotationally symmetric metal bodies

Title (de)

Vorrichtung zum Abkühlen und Behandeln erhitzter rotationssymmetrischer Körper aus Metall

Title (fr)

Installation pour le refroidissement et le traitement de corps métalliques chauffés à symétrie de révolution

Publication

EP 1215291 B1 20050525 (DE)

Application

EP 00127596 A 20001215

Priority

EP 00127596 A 20001215

Abstract (en)

[origin: EP1215291A1] Process for cooling and treating heated rotationally symmetrical bodies made from steel or steel alloys comprises initially descaling the bodies; and adjusting the mechanical properties using complex cooling processes which are carried out for different volumes and/or surface regions of the body to be treated so that these regions can be controlled or regulated online by spraying or blowing with a medium. An Independent claim is also included for a device for cooling and treating heated rotationally symmetrical bodies made from steel or steel alloys. Preferably the rotationally symmetrical hot bodies are rotated about their axes of rotational symmetry during descaling and during subsequent volume and surface specific cooling. The cooling medium is simultaneously sprayed or blown onto the surface regions to be treated.

IPC 1-7

C21D 9/34; **C21D 1/667**; **C21D 11/00**

IPC 8 full level

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CPC (source: EP)

C21D 1/667 (2013.01); **C21D 9/34** (2013.01); **C21D 9/32** (2013.01); **C21D 11/005** (2013.01); **C21D 2221/00** (2013.01)

Cited by

DE102010033473A1; EP2366806A1; WO2012016566A2; EP3608429A4; DE202005015907U1; EP1772558A1; DE102010033473B4; CN111979385A; US8377238B2; WO03070995A1; WO2012016566A3; WO2008037327A1; WO2014201097A1; WO2017211901A1

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