

Title (en)

Method and device for post-treatment of a hardened metallic moulded part by means of electrical resistance heating

Title (de)

Verfahren und Vorrichtung zur Nachbehandlung eines gehärteten metallischen Formteils mittels elektrischer Widerstandserwärmung

Title (fr)

Procédé et dispositif de post-traitement d'un élément de formage métallique durci au moyen du chauffage par résistance électrique

Publication

**EP 2883967 B1 20170503 (DE)**

Application

**EP 14196951 A 20141209**

Priority

DE 102013225409 A 20131210

Abstract (en)

[origin: CN104694714A] A formed and hardened component made from a metallic material is post-treated by a device for electric resistance heating that has at least one first pair of contact pieces and at least one second pair of contact pieces; contacting a first partial region of the component with the contact pieces of the first pair such that the first partial region is arranged between the contact pieces of the first pair; contacting the second partial region of the component with the contact pieces of the second pair such that the second partial region is arranged between the contact pieces of the second pair; heating of the first partial region of the component to a first temperature T1 by conducting electric current through the component by the first pair of contact pieces; setting the second partial region of the component to a second temperature T2 by the second pair of contact pieces, which is set independently of the first temperature T1.

IPC 8 full level

**C21D 1/40** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/48** (2006.01); **H05B 3/00** (2006.01)

CPC (source: EP US)

**C21D 1/40** (2013.01 - EP US); **C21D 8/0294** (2013.01 - EP US); **C21D 8/0494** (2013.01 - EP US); **C21D 9/48** (2013.01 - EP US); **H05B 3/0004** (2013.01 - EP US); **C21D 2221/00** (2013.01 - EP US)

Cited by

EP3436207A4; US10954575B2; WO2017020888A1; WO2017172546A1; US11148725B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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