

Title (en)

Process for avoiding the adhesion of metal parts during annealing

Title (de)

Verfahren zum kleberfreien Glühen von Metallteilen

Title (fr)

Procédé pour éviter le collage des pièces métalliques pendant le recuit

Publication

**EP 1424402 B1 20070926 (DE)**

Application

**EP 03027065 A 20031125**

Priority

DE 10255590 A 20021128

Abstract (en)

[origin: EP1424402A1] Annealing metal parts, especially steel parts containing chromium and manganese, comprises acquiring the dew point of the hydrogen-steam atmosphere during heat-maintaining and cooling, and automatically regulating by adjusting with empirically determined theoretical values.

IPC 8 full level

**C21D 1/76** (2006.01); **C21D 1/70** (2006.01); **C21D 6/00** (2006.01)

CPC (source: EP)

**C21D 1/70** (2013.01); **C21D 1/76** (2013.01); **C21D 6/002** (2013.01)

Citation (examination)

US 5772428 A 19980630 - VAN DEN SYPE JAAK STEFAAN [US], et al

Cited by

DE102018217284A1; AT500686A1; AT500686B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1424402 A1 20040602**; **EP 1424402 B1 20070926**; AT E374262 T1 20071015; DE 10255590 A1 20040617; DE 50308274 D1 20071108

DOCDB simple family (application)

**EP 03027065 A 20031125**; AT 03027065 T 20031125; DE 10255590 A 20021128; DE 50308274 T 20031125