

Title (en)
Plant for hardening and tempering metallic articles

Title (de)
Vorrichtung zum Vergüten von metallischem Gut

Title (fr)
Installation de trempe et revenu de pièces métalliques

Publication
EP 0753587 B1 20020508 (DE)

Application
EP 96110951 A 19960706

Priority
DE 19525342 A 19950712

Abstract (en)
[origin: EP0753587A1] The assembly to quench and temper metallic materials, especially to temper tool steel, has a continuous roller furnace as the temper furnace. It has a preheating zone (31) and a zone (32) where the temp. is maintained. Cooling presses (40) are at the outlet of the roller furnace (30) for temp. controlled cooling of the material.

IPC 1-7
C21D 1/673; **C21D 9/00**; **C21D 1/25**

IPC 8 full level
C21D 1/25 (2006.01); **C21D 1/673** (2006.01); **C21D 9/00** (2006.01); **C21D 9/46** (2006.01)

CPC (source: EP)
C21D 1/673 (2013.01); **C21D 9/0056** (2013.01); **C21D 1/25** (2013.01); **C21D 9/46** (2013.01)

Cited by
DE102016219761A1; DE102008036237B3; FR2827874A1; CN110527814A; EP1191111A1; EP0984071A1; EP2157194A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0753587 A1 19970115; **EP 0753587 B1 20020508**; AT E217355 T1 20020515; DE 19525342 C1 19970320; DE 59609179 D1 20020613

DOCDB simple family (application)
EP 96110951 A 19960706; AT 96110951 T 19960706; DE 19525342 A 19950712; DE 59609179 T 19960706