

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