

Title (en)
Flexible adaptive quenching

Title (de)
Flexible adaptive Abschreckung

Title (fr)
Trempe flexible et adaptive

Publication
EP 0621344 B1 19990616 (DE)

Application
EP 93106451 A 19930421

Priority
EP 93106451 A 19930421

Abstract (en)
[origin: EP0621344A1] To obtain a defined quenching profile in the quenching of metallic workpieces in a liquid bath after a heat treatment, a process is suggested in which the flow velocity of the liquid is adjusted in the region of the workpieces to 10 to 30 m/sec, 0.5 to 1.5 m/sec or 0 m/sec, while at the same time, on the other hand, the liquid volume available for heat exchange is variably adjusted. <IMAGE>

IPC 1-7
C21D 1/64

IPC 8 full level
C21D 1/64 (2006.01); **C21D 9/00** (2006.01); **C21D 1/58** (2006.01); **C21D 1/667** (2006.01)

CPC (source: EP)
C21D 1/64 (2013.01); **C21D 9/0062** (2013.01); **C21D 1/58** (2013.01); **C21D 1/667** (2013.01)

Cited by
EP1149923A1; CN109487056A; DE10323737A1; EP2712939A1; US2022106653A1; US6492631B2; US9458519B2

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI

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