

Title (en)

GAS QUENCHING METHOD

Title (de)

VERFAHREN ZUM ABSCHRECKEN MITTELS GAS

Title (fr)

PROCEDE DE TREMPE SOUS GAZ

Publication

EP 1737989 A1 20070103 (FR)

Application

EP 05757129 A 20050415

Priority

- FR 2005000914 W 20050415
- FR 0404113 A 20040419

Abstract (en)

[origin: WO2005108629A1] The invention relates to a method for the gas quenching of steel parts having undergone thermochemical treatment, which is performed with a cooling gas stream which is obtained by introducing the liquid phase thereof into a gas quenching chamber (2). The cooling gas comprises water vapour which is obtained by evaporating water introduced into the chamber (2) in liquid form. The inventive method can also comprise the introduction of a first gas before the introduction of the water in liquid form.

IPC 8 full level

C21D 1/613 (2006.01); **C21D 1/76** (2006.01); **C21D 1/767** (2006.01); **C21D 1/60** (2006.01)

CPC (source: EP)

C21D 1/613 (2013.01); **C21D 1/76** (2013.01); **C21D 1/767** (2013.01); **C21D 1/60** (2013.01)

Citation (search report)

See references of WO 2005108629A1

Cited by

EP2505676B1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

FR 2869046 A1 20051021; **FR 2869046 B1 20070831**; EP 1737989 A1 20070103; EP 1737989 B1 20141105; WO 2005108629 A1 20051117

DOCDB simple family (application)

FR 0404113 A 20040419; EP 05757129 A 20050415; FR 2005000914 W 20050415