

Title (en)

Process for the thermal treatment of metallic workpieces

Title (de)

Verfahren zur Wärmebehandlung metallischer Werkstücke

Title (fr)

Procédé pour le traitement thermique de pièces métalliques

Publication

EP 1088901 B1 20021009 (DE)

Application

EP 99118920 A 19990924

Priority

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- CA 2341152 A 20010321
- CN 01112301 A 20010402
- JP 2001096006 A 20010329

Abstract (en)

[origin: EP1088901A1] Heat treating metallic workpieces comprises producing a cooling gas stream using a ventilator in an evacuated quenching chamber of a single or multiple chamber furnace. The ventilator is operated by a rotary current motor which is operated above the lowest pressure for the motor output in the quenching chamber with a prescribed supply voltage. The ventilator is started at a pressure in the chamber which is lower than the lowest pressure and the rotary current motor is operated until it achieves the lowest pressure in the chamber with a second lower supply voltage. Preferred Features: The rotary current motor is operated above the lowest pressure with a supply voltage of approximately 400 V and below the lowest pressure with a supply voltage of approximately 230 V.

IPC 1-7

C21D 1/767; **F27D 7/04**

IPC 8 full level

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CPC (source: EP US)

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