

Title (en)

Furnace for heat treating batches of metal workpieces

Title (de)

Ofen zur Wärmebehandlung von Chargen metallischer Werkstücke

Title (fr)

Four pour le traitement thermique de charges de pièces métalliques

Publication

EP 0754768 B1 20010613 (DE)

Application

EP 96710009 A 19960713

Priority

DE 19526676 A 19950721

Abstract (en)

[origin: EP0754768A1] The furnace, (pref. a vacuum furnace) has a housing (1) accommodating a heating chamber (6) and an intermediate space divided into outer and inner chambers (4, 11). It is provided with a gas cooling system (9) which is connected with the heating chamber via the chambers (4, 11) and closable openings (12) in the wall (5) of the heating chamber. The chamber (4) serves as a pressure chamber for the cooling gas fan (3), while the chamber (11) serves as a suction chamber for this fan. Axially movable gas delivery units (15) allow the heating chamber to be isolated from the pressure and suction chambers.

IPC 1-7

C21D 1/767; **C21D 1/773**; **F27B 5/16**

IPC 8 full level

C21D 1/767 (2006.01); **C21D 1/773** (2006.01); **F27B 5/05** (2006.01); **F27B 5/16** (2006.01); **F27B 5/14** (2006.01)

CPC (source: EP)

C21D 1/767 (2013.01); **C21D 1/773** (2013.01); **F27B 5/16** (2013.01); **F27B 2005/143** (2013.01); **F27B 2005/162** (2013.01); **F27B 2005/167** (2013.01); **F27B 2005/168** (2013.01)

Cited by

DE102009052900A1; FR2864106A1; US10934599B2; WO2012037905A1; WO2017041774A1; EP2322673A2; US8088328B2

Designated contracting state (EPC)

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