

Title (en)

VACUUM CHAMBER OVEN FOR THE THERMAL TREATMENT OF METAL WORK PIECES

Publication

**EP 0555199 A3 19940525 (DE)**

Application

**EP 93890013 A 19930202**

Priority

AT 17592 A 19920203

Abstract (en)

[origin: EP0555199A2] A vacuum chamber furnace for the thermal treatment of metal workpieces has a heating chamber (13) which is located in a housing (1) and the walls of which have closable openings (14, 15) for the passage of a cooling gas stream. In order to extend the operating range of the furnace, the latter is pivotably mounted and a pivot drive (8) is arranged in order to pivot said furnace from a horizontal position into a vertical position, and vice versa. The heating chamber (13) can be heated both in the horizontal position and in the vertical position and the cooling gas stream can also pass through the heating chamber in both positions. <IMAGE>

IPC 1-7

**C21D 1/773**

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

- [A] DE 3526433 C1 19891123 - JUNKER GMBH O
- [A] DE 569300 C 19330201 - DEMAG ELEKTROSTAHL G M B H
- [A] DE 3208574 A1 19830922 - SCHMETZ INDUSTRIEOFENBAU UND V [DE]
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- [A] DE 1889104 U 19640312 - BBC BROWN BOVERI & CIE [DE]
- [A] DE 1112305 B 19610803 - RUDOLF KELLERMANN DIPL ING
- [A] P. HEILMANN: "Grosse Vakuum - Wärmebehandlungsanlagen ...", HAERTEREI TECHNISCHE MITTEILUNGEN, vol. 44, no. 1, 1989, MUNCHEN DE, pages 52 - 55, XP000001061

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