

Title (en)

METHOD OF HEAT TREATING WORKPIECES

Publication

**EP 0355520 A3 19900418 (DE)**

Application

**EP 89114350 A 19890803**

Priority

DE 3828134 A 19880818

Abstract (en)

[origin: EP0355520A2] The invention relates to a method of heat treating workpieces (metal, ceramic) in a continuous furnace and, at the same time, especially to the influencing of the flow of the treatment-gas atmosphere existing in the furnace. It is possible to influence the flow of the furnace gas by blowing in a proportion of the treatment gas required for the heat treatment at a pressure lying above the normal feed pressure of the treatment gas and directed into one or more furnace zones.

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**C21D 1/74**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] DE 617319 C 19350816 - BENNO SCHILDE MASCHB AKT GES
- [A] US 3415503 A 19681210 - HOWARD BECK JACOB
- [AD] EP 0075438 B1 19871216
- [A] DE 2601658 A1 19770728 - J F MAHLER FA

Cited by

EP1077267A1; EP1842930A1; EP1842931A1; EP0524368A1; US5362031A; US7955450B2; WO2005035799A1

Designated contracting state (EPC)

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