

Title (en)  
DEVICE FOR THE HEAT TREATMENT OF METAL WORKPIECES

Title (de)  
VORRICHTUNG ZUR WÄRMEBEHANDLUNG VON METALLISCHEN WERKSTÜCKEN

Title (fr)  
DISPOSITIF DE TRAITEMENT THERMIQUE DE PIÈCES MÉTALLIQUES

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Application  
**EP 22721362 A 20220408**

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Abstract (en)  
[origin: WO2022218830A1] The invention relates to a device for the heat treatment of metal workpieces, in particular transmission components. The device according to the invention comprises at least one means (TK) for heating workpieces (WP). The device also comprises at least one means (PQ) for hardening workpieces (WP). The at least one means (TK) for heating workpieces is in the form of a continuous furnace through which the workpieces (WP) can be conveyed in a through-flow direction (DTK). The continuous furnace has an inlet portion (TKI), a heating portion (TKH) and an outlet portion (TKO). The workpieces can be introduced into the inlet portion (TKI) via a first opening apparatus (1). The workpieces (WP) can be discharged from the outlet portion (TKO) via a second opening apparatus (2). The outlet portion (TKO) comprises a discharge chamber (C2) which is provided for receiving workpieces from the heating section. The discharge chamber (C2) can be closed in a controlled manner with respect to the heating portion (TKH) and the means (PQ) for hardening the workpiece.

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