

Title (en)

DEVICE FOR TREATING METAL WORKPIECES WITH COOLING GAS

Title (de)

VORRICHTUNG ZUR BEHANDLUNG VON METALLISCHEN WERKSTÜCKEN MIT KÜHLGAS

Title (fr)

DISPOSITIF DE TRAITEMENT DE PIÈCES MÉTALLIQUES AVEC DU GAZ DE REFROIDISSEMENT

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Application

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Abstract (en)

[origin: WO2017041774A1] In order to achieve an increase in energy efficiency and quicker quenching of workpieces in a device for treating metal workpieces with cooling gas, consisting of a horizontally arranged cylindrical housing (1) having at least one closable opening for inserting and removing the workpieces to be treated, having a quenching chamber (2) for receiving the workpieces to be treated located inside the housing (1), having two high-performance fans (5 and 6) arranged laterally and outside the quenching chamber (2) for guiding a cooling gas through the quenching chamber (2), and having two heat exchangers (11 and 12) for cooling the cooling gas, according to the present invention, it is proposed that each heat exchanger (11 or 12) is allocated to a high-performance fan (5 or 6) and that closable guiding devices (17 and 18) are arranged above and below the quenching chamber (2).

IPC 8 full level

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