

Title (en)

Compressed gas quenching of shafts

Title (de)

Druckgasabschreckung von wellenförmigen Werkstücken

Title (fr)

Trempe a gaz comprime pour arbres

Publication

EP 1123757 B1 20050413 (DE)

Application

EP 01100775 A 20010113

Priority

DE 10005969 A 20000209

Abstract (en)

[origin: DE10005969C1] Machine for directing and hardening a corrugated longitudinal workpiece (50) comprises a receiving device for the workpiece; several rotating lower rollers with directing points (4-9); upper rollers arranged on the directing points; and a drive for the workpiece and a workpiece quenching device. A chamber (60) surrounding the receiving device and the lower rollers is connected to the workpiece so that cold gas can be introduced via nozzles. Preferred Features: The cold gas nozzles are arranged in rows.

IPC 1-7

B21D 3/02

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (publication)

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