

Title (en)
METHOD FOR HARDENING A HOLLOW ARTICLE

Publication
EP 0297024 B1 19910731 (DE)

Application
EP 88730110 A 19880510

Priority
DE 3721665 A 19870626

Abstract (en)
[origin: US4900376A] A method for hardening cylindrical hollows made of steel, includes heating followed by cooling, under utilization of a water bath while the hollow rotates about its longitudinal axis, and is partially immersed in the bath, the axis being parallel to the surface of the cooling bath; this method is improved by providing a particular rotation for the hollow as long as the temperature of the hollow is above the martensitic starting temperature; and drastically increasing the speed of rotation such that a significantly higher speed obtains as the martensitic transition temperature is reached.

IPC 1-7
C21D 1/63; **C21D 9/08**

IPC 8 full level
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