

Title (en)

METHOD FOR AUSTEMPERING STEEL PARTS

Title (de)

VERFAHREN ZUM BAINITISIEREN VON STAHLTEILEN

Title (fr)

PROC D DE BAINITATION D' L MENTS EN ACIER

Publication

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Application

EP 00984836 A 20001018

Priority

- DE 0003668 W 20001018
- DE 19963973 A 19991231

Abstract (en)

[origin: US6843867B1] A method of austempering of steel parts is described. The steel parts are initially austenitized and subsequently quenched to a start temperature which is higher than the martensite start temperature. Then the steel parts are subjected to a first isothermal holding at the start temperature for a first time period. Subsequently the steel parts are held for a second isothermal time period at a finish temperature which is higher than the start temperature. The method described is particularly well suited for rapid austempering of steel parts, a pure bainitic structure being achievable, and the core hardness of the steel parts obtained being settable via the start temperature, the finish temperature, the duration of the first time period, and the duration of the second time period.

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