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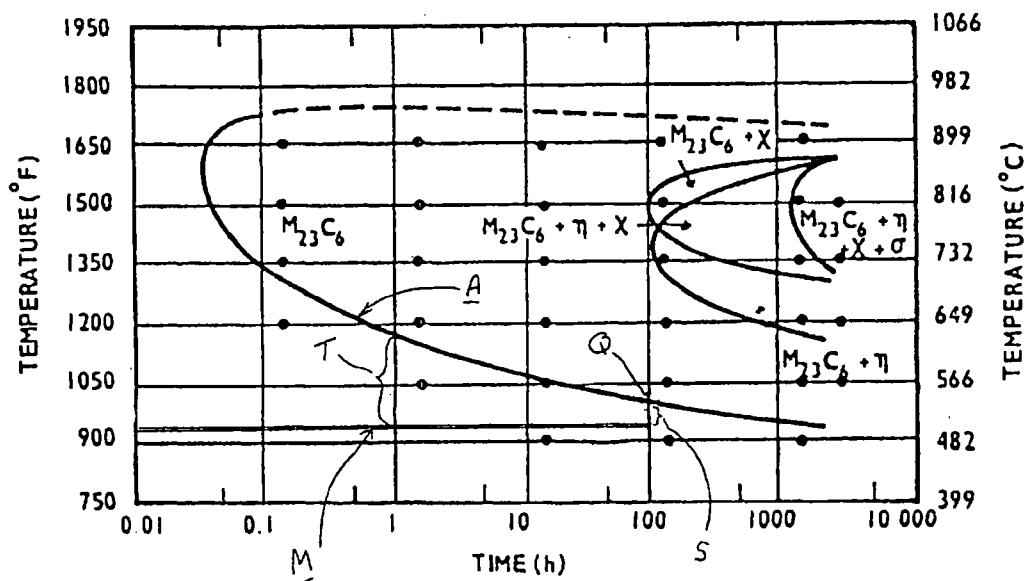
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(54) Title: MODIFIED LOW TEMPERATURE CASE HARDENING PROCESSES



(57) Abstract: An iron-containing workpiece is case hardened by low temperature carburization during which one or more process steps - including adjusting the carburization temperature, adjusting the concentration of carburization specie in the carburization gas and reactivating the surfaces to be carburized - is carried out to enhance the overall rate and uniformity of carburization with minimized soot generation, whereby carburization can be completed faster than possible in the past.

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