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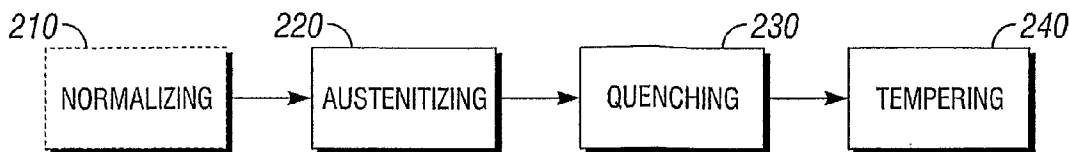
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: METHODS FOR HEAT TREATING THICK-WALLED FORGINGS



(57) Abstract: A method for heat treating thick-walled forgings including heating a low alloy steel to an austenitizing temperature, wherein the low alloy steel comprises carbon of about 0.05- 0.2 wt.%, manganese of about 0.3-0.8 wt.%, and nickel of about 0.25-1.0 wt.%. The method further includes quenching the low alloy steel in a quench media, and then tempering the low alloy steel for less than about thirty minutes per inch of critical section thickness plus about two hours.

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