

Title (en)
PROCESS FOR MANUFACTURING WHEEL AXLES, IN PARTICULAR FOR RAILWAY CARRIAGES

Title (de)
VERFAHREN ZUM HERSTELLEN VON RADACHSEN, INSBESONDERE FÜR EISENBAHNWAGEN

Title (fr)
PROCÉDÉ DE FABRICATION D'ESSIEUX, EN PARTICULIER POUR VÉHICULES FERROVIAIRES

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Application
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Priority
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Abstract (en)
[origin: WO2011120062A1] The invention relates to a method for producing wheel axles, in particular for railway carriages, having a hollow axle body (1), which with respect to thickened bearing seats (2) forms shouldered axle stubs (3) for receiving the wheel and has an inner diameter for the axle stubs (3) smaller than a widened inner diameter between the bearing seats (2), wherein the outer form of the axle body (1) is forged. In order to avoid machining, according to the invention, a hollow forging blank (8) having an inner diameter corresponding at least to the widened inner diameter of the axle body (1) is forged, advancing in the axial direction, using a forging mandrel (13) having a mould section (15) for the widened inner diameter of the axle body (1), before the mould section (15) for the widened inner diameter is pulled out from one end of the hollow forging blank (8) and the still unforged section of the forging blank (8) having the smaller inner diameter is forged with the aid of a forging mandrel (13) having a mould section (14) for the smaller inner diameter of the forging blank (8).

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