Title (en)

METHOD FOR PRODUCTION OF A SEAMLESS HOT-FINISHED STEEL TUBE

Title (de)

VERFAHREN ZUM HERSTELLEN EINES NAHTLOS WARMGEFERTIGTEN STAHLROHRES

Title (fr)

PROCEDE POUR PRODUIRE UN TUBE D'ACIER SANS SOUDURE USINE A CHAUD

Publication

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Application

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Abstract (en)

[origin: WO2006045301A1] The invention relates to a seamless hot-finished steel tube (16), whereby a thick-walled hollow block (8) is formed from a block (1) heated to the moulding temperature in a first moulding process by means of stamping, which is then drawn at the same temperature in a second moulding step, by rolling with a change in diameter and wall thickness to give the pre-tube (bloom) and a finished tube is produced therefrom in a third moulding step by reduction rolling, characterised in that the second and third moulding steps defined by rolling are replaced by one moulding step in the form of a radial forging process, using an internal tool (11) inserted into the hollow block (8) and at least two forging cheeks of a forging machine (10), acting on the outer surface of the hollow block (8), whereby the hollow block (8) is alternately rotated and axially shifted during the idle stroke phase of the forging cheeks.

IPC 8 full level

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Citation (search report)

See references of WO 2006045301A1

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RU2607108C1; CN110732614A; WO2017182361A1; WO2019141798A1; EP2554293A1; DE102011109071A1

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