Title (en)

METHOD FOR THE HOT FORGING OF A SEAMLESS HOLLOW BODY OF MATERIAL THAT IS DIFFICULT TO FORM, IN PARTICULAR OF STEEL

Title (de)

VERFAHREN ZUM WARMSCHMIEDEN EINES NAHTLOSEN HOHLKÖRPERS AUS SCHWER UMFORMBAREM WERKSTOFF, INSBESONDERE AUS STAHL

Title (fr)

PROCÉDÉ DE FORGEAGE À CHAUD D'UN CORPS CREUX SANS SOUDURE EN MATÉRIAU DIFFICILE À DÉFORMER, EN PARTICULIER EN ACIER

Publication

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Application

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Abstract (en)

[origin: WO2015044120A1] The invention relates to a method for the hot forging of a seamless hollow body of material that is difficult to form. It is proposed that the hot forging is performed with a degree of forming, with respect to the cross section to be formed, in the forging section with ln(AO/A1) of less than 1.5 and a method-related form changing rate of less than 5/s, where AO is defined as the local cross-sectional area of a hollow body to be forged in m2 and A1 is defined as a local cross-sectional area of the finished hollow body in m2 and the form changing rate is defined as the maximum rate of the hollow body to be forged in m/s with respect to the outside diameter of the finished-forged hollow body in m.

IPC 8 full level

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