

Title (en)

METHOD FOR INDUCTION BEND FORMING A COMPRESSION-RESISTANT PIPE HAVING A LARGE WALL THICKNESS AND A LARGE DIAMETER AND INDUCTION PIPE BENDING DEVICE

Title (de)

VERFAHREN ZUM INDUKTIONSBIEGEUMFORMEN EINES DRUCKFESTEN ROHRS MIT GROSSER WANDSTÄRKE UND GROSSEM DURCHMESSER UND INDUKTIONS-ROHRBIEGEVORRICHTUNG

Title (fr)

PROCÉDÉ DE CINTRAGE PAR INDUCTION D'UN TUBE RÉSISTANT À LA PRESSION DE GRANDE ÉPAISSEUR DE PAROI ET DE GRAND DIAMÈTRE ET DISPOSITIF DE CINTRAGE PAR INDUCTION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016173584A1] For induction bend forming a compression-resistant pipe (1) having a large wall thickness and a large diameter, the pipe (1) is vertically compressed in a press unit (50) before it is introduced into an annular inductor to heat it and a cross-section in the shape of a lying oval is imposed onto the pipe (1) in said press unit. In addition, at least during an interval of the pipe bending process a temperature profile with a lower temperature on an outer surface of the bend and a higher temperature on an inner surface of the bend is set by means of a transverse displacement of the inductor relative to the pipe (1).

IPC 8 full level

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CPC (source: EP KR RU US)

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