

Title (en)
METHOD FOR SHOT PEENING A PIPE INNER WALL OF A CURVED WORKPIECE HAVING A WORKPIECE BORE, AND BLASTING NOZZLE UNIT AND BLASTING CHAMBER SYSTEM THEREFOR

Title (de)
VERFAHREN ZUM VERFESTIGUNGSSTRAHLEN EINER ROHRINNENWANDUNG EINES GEKRÜMMTEN WERKSTÜCKS MIT EINER WERKSTÜCKBOHRUNG SOWIE STRAHLDÜSENEINHEIT UND STRAHLKAMMERSYSTEM DAFÜR

Title (fr)
PROCÉDÉ DE SABLAGE D'UNE PAROI DE TUBE INTÉRIEURE D'UNE PIÈCE COURBÉE POURVUE D'UN PERÇAGE ET ENSEMBLE BUSE DE SABLAGE ET SYSTÈME DE CHAMBRE DE SABLAGE

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Abstract (en)
[origin: WO2015124147A1] For the shot peening of a pipe inner wall of a curved workpiece (200) having a workpiece bore (201), use is made of a flexible blasting abrasive feed hose (10) having blasting nozzle head (20). The latter is guided through a supporting element (30) which is applied to one workpiece end (203). The blasting abrasive feed hose (10) together with the blasting nozzle head (20) is introduced into the workpiece bore (201) and advanced along a blasting treatment section therein and subsequently retracted into the supporting element (30) again, wherein the blasting abrasive is emitted during the advancing movement and/or during the retraction movement. A blasting nozzle unit (100) suitable for carrying out the method comprises at least: - a flexible blasting abrasive feed hose (10); - a blasting nozzle head (20) connected to the blasting abrasive feed hose (10), said blasting nozzle head (20) having a plurality of nozzle openings (21) distributed around the circumference, wherein the outer circumference of the blasting nozzle head (21) is smaller than the inside diameter of the workpiece bore (201) in a workpiece (200) to be processed; - a supporting element (30) in which the blasting abrasive feed hose (10) is guided; and - a stationary bearing element (40) in which the supporting element (30) is guided in a displaceable manner.

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