

Title (en)  
A METHOD FOR SHOT PEENING

Title (de)  
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Title (fr)  
PROCÉDÉ DE GRENAILLAGE

Publication  
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Application  
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Abstract (en)  
[origin: WO2012017656A1] The present invention is to provide a method for shot peening for producing a compressive residual stress that exceeds 60% of the yield strength at 0.2% offset without using stress shot peening. Shot media are peened onto a processed steel that has an amount of retained austenite in a range between 5 to 30%, and any change in the amount of retained austenite is controlled to be in a range of 2 to 30% before and after shot peening to produce the compressive residual stress in the processed steel.

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