

Title (en)  
CYLINDER JACKET AND METHOD FOR PRODUCING THE SAME

Title (de)  
ZYLINDERLAUFBUCHSE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
CHEMISE DE CYLINDRE ET SON PROCÉDÉ DE FABRICATION

Publication  
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Application  
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Abstract (en)  
[origin: US2010263765A1] The invention relates to a method for producing a cylinder jacket, comprising the following steps: producing a cylindrical starting product from a steel material having a carbon content of not more than 0.8% by weight and a ferritic or ferritic/pearlitic structure; enriching, by carburization, the surface layer of the inner peripheral surface of the cylindrical starting product with carbon in the form of carbides that are deposited on the grain boundaries; slowly cooling the cylindrical starting product in such a manner that a pearlitic structure having a carbide network is formed in the surface layer; finishing the cylindrical starting product to give a cylinder jacket. The invention also relates to a cylinder jacket produced by said method.

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