

Title (en)
Method of manufacturing of valve seat rings made from Co/Mo based alloys

Title (de)
Verfahren zur Herstellung von Ventilsitzringen aus Co/Mo-Basislegierungen

Title (fr)
Procédé de fabrication des sièges de soupape en alliages à base de Co/Mo

Publication
EP 1670964 A2 20060621 (DE)

Application
EP 04741186 A 20040721

Priority
• EP 2004008137 W 20040721
• DE 10334703 A 20030730

Abstract (en)
[origin: WO2005012590A2] Disclosed is a cylinder head for internal combustion engines, comprising a metallic valve seat ring that is formed by a thermally sprayed homogeneous layer made of a basic Co or Co/Mo alloy. The sum of the Co content and Mo content in the alloy exceeds 50 percent by weight while the Fe content lies below 5 percent by weight. Also disclosed is a method for thermally spraying said valve seat ring by means of an arc wire spraying process with the aid of at least two filler wires and/or composite wires, the essential Co portion in the deposited layer being delivered by the jacket of the filler wire and/or the matrix of the composite wire.

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CPC (source: EP US)
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Citation (search report)
See references of WO 2005012590A2

Citation (examination)
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