

Title (en)

Method of treating the surface of Ti or Ti alloy valve element

Title (de)

Verfahren zur Oberflächenbehandlung eines Ventils aus Titanium oder Titaniumlegierung

Title (fr)

Méthode de traitement de la surface d'un élément de soupape en titane ou alliage de titane

Publication

EP 0721997 A1 19960717 (EN)

Application

EP 95300133 A 19950111

Priority

- EP 95300133 A 19950111
- JP 26863393 A 19931027
- CN 95100732 A 19950124

Abstract (en)

A covering layer made of heat-resistant steel is formed on the outer circumferential surface of a stem of a Ti or Ti alloy valve element in an engine valve. Then, nitriding is applied to the covering layer to achieve deeper diffusion of nitrogen into the layer, thereby forming a relatively thick nitrided layer. <IMAGE>

IPC 1-7

C23C 8/02; **C23C 4/18**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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