

Title (en)

ENGINE COMPONENT COMPRISING CORROSION-PROTECTION LAYER AND MANUFACTURING METHOD

Title (de)

MOTORKOMPONENTE UMFASSEND EINE KORROSIONSSCHUTZSCHICHT UND HERSTELLUNGSVERFAHREN

Title (fr)

COMPOSANT DE MOTEUR COMPRENANT UNE COUCHE ANTICORROSION ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

EP 10789819 A 20100614

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Abstract (en)

[origin: WO2010147541A1] The invention relates to an engine valve comprising a chromiferous steel and a protective surface layer (5) which consists of iron chrome oxide. The invention relates further to a method for manufacture of an engine valve with a protective layer characterised in that: -an engine component comprising a chromiferous steel is provided (100); -the engine component is heated (200) at a predetermined temperature for a predetermined time so that a layer (5) of iron chrome oxide is formed on the engine component's surface; -the engine component is cooled (300) to room temperature.

IPC 8 full level

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Citation (search report)

- [X] JP H07102916 A 19950418 - AISAN IND
- [XI] JP H07126868 A 19950516 - KOBE STEEL LTD
- See also references of WO 2010147541A1

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