

Title (en)

METHOD FOR COATING A VALVE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BESCHICHTEN EINES VENTILS EINER BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ DE REVÊTEMENT D'UNE SOUPAPE D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3307926 A1 20180418 (DE)**

Application

**EP 16718679 A 20160426**

Priority

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- EP 2016059295 W 20160426

Abstract (en)

[origin: WO2016198205A1] The invention relates to a method for coating a valve (1) of an internal combustion engine (2), in particular a place on a valve stem (5) of the valve (1), in which - the valve (1) is immersed, at least at the place that is to be coated, in a bath of just nickel (Ni) as a bonding agent, - the valve (1) is immersed, at least with the place that is to be coated, in a bath comprising nickel (Ni) and boron carbide (B<sub>4</sub>C) or in a bath comprising nickel-tungsten (Ni-W) or nickel-iron (Ni-Fe) and boron carbide (B<sub>4</sub>C), - the valve (1) is reworked, at least at the place that is to be coated. This particularly allows a previously chromium-containing wear-resistant layer to be replaced.

IPC 8 full level

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