

Title (en)

METHOD FOR MAKING A CYLINDER HEAD WITH INTEGRATED VALVE SEATS AND CYLINDER HEAD WITH INTEGRATED VALVE SEATS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ZYLINDERKOPFES MIT INTEGRIERTEN VENTILSITZE UND DER ZYLINDERKOPF

Title (fr)

PROCEDE DE FABRICATION D'UNE CULASSE A SIEGES DE SOUPAPE INTEGRES ET CULASSE A SIEGES DE SOUPAPE INTEGRES

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Application

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Abstract (en)

[origin: FR2765915A1] The invention concerns a method comprising the following steps: obtaining a cylinder head made of a light unrefined foundry alloy comprising valve seat zones; carrying out a transferred plasma arc deposition on the seat zones of a coating layer of an alloy with the following composition, in w.t. %: Ni 13-20, Mo 2-8, Co 0-10, Fe 2-8, Si 2-4, B 1-3, Cu the remainder; machining the coat to obtain the desired shape and surface texture for the integrated valve seats: The invention is applicable to internal combustion engine aluminium cylinder heads.

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