

Title (en)

FRACTION-SUBJECTED ALUMINIUM COMPONENT

Publication

EP 0355430 A3 19910612 (DE)

Application

EP 89113552 A 19890724

Priority

DE 3828527 A 19880823

Abstract (en)

[origin: EP0355430A2] An aluminium valve tappet of an internal combustion engine has a surface coating in the form of a nickel dispersion layer provided with a hardening agent. Between the aluminium base material (1) and the surface coating (4), an interlayer (3) is provided, whose hardness is between that of the aluminium-based material and that of the surface coating. In this way, the coated valve tappet withstands extreme surface pressures and shear stresses.

IPC 1-7

C25D 5/10; **C25D 15/02**; **F16J 1/02**; **F01L 1/00**

IPC 8 full level

C25D 5/14 (2006.01); **C25D 15/02** (2006.01); **F02B 77/02** (2006.01)

CPC (source: EP US)

C25D 5/14 (2013.01 - EP US); **C25D 15/02** (2013.01 - EP US); **F02B 77/02** (2013.01 - EP); **F05C 2201/021** (2013.01 - EP)

Citation (search report)

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- [X] FR 2159179 A1 19730622 - CITROEN SA
- [A] US 3281293 A 19661025 - WOODRING GEORGE D
- [A] CHEMICAL ABSTRACTS, Band 103, Nr. 14, 7. Oktober 1985; J.W. BOECKER et al.: "Active carbon purification of nickel electroplating bath", & GALVANOTECH. SYMP., (VORTR.), 7th, 51-4

Cited by

WO2010102807A3; WO2010102808A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

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