

Title (en)

A PROCESS FOR OBTAINING A PROTECTIVE COATING FOR SURFACES SUBJECTED TO MECHANICAL AND THERMAL WEAR, AND COATING OBTAINED BY SUCH PROCESS

Publication

**EP 0147484 B1 19891213 (EN)**

Application

**EP 83113249 A 19831230**

Priority

EP 83113249 A 19831230

Abstract (en)

[origin: EP0147484A1] The process provides for coating surfaces (2) of elements (1) of heat engines subjected to wear by sliding and oxidation with a wear layer (3), and consists of a first electro-deposition phase performed in an aqueous electrolyte with a low hydrogen discharge, of a first layer (4) of hard chrome having a thickness lying between 20 and 40  $\mu\text{m}$  and a hardness lying between 400 and 600 HV; and a second electro-deposition phase in an aqueous electrolyte based on a mixture of acids, of a second layer (5) of hard chrome over the first layer (4), having a hardness of at least 1000 HV and a maximum thickness of about 1.2 mm.

IPC 1-7

**C25D 5/14**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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