

Title (en)
CoCrC coating for surfaces liable to consumption

Title (de)
CoCrC Beschichtung für Oberflächen ausgesetzt zum Verbrauch

Title (fr)
CoCrC couche pour surfaces pour consommation

Publication
EP 1443125 A1 20040804 (EN)

Application
EP 04000797 A 20040116

Priority
IT MI20030056 A 20030117

Abstract (en)
Metallic product coated with a matrix of Co/Cr-alloy with a dispersed hard phase consisting of Cr₃C₂. Preferably the Co/Cr matrix comprises 60 to 96% of Co and 40 to 4% of Cr while the coating comprises 40% ≤ Co < 70%, 25% ≤ Cr < 50%. The Cr₃C₂ content is comprised between 30 and 60%. <??>According to a preferred embodiment of the invention, the Co/Cr matrix represents 45 to 70 wt% of the coating, preferably 55 to 70wt% and the Cr₃C₂ represents the 30-55wt%, preferably the 30-45wt%. <IMAGE>

IPC 1-7
C23C 4/06; **C23C 4/10**; **C23C 30/00**; **C22C 29/00**

IPC 8 full level
C23C 4/06 (2006.01); **C23C 4/18** (2006.01)

CPC (source: EP)
C23C 4/06 (2013.01); **C23C 4/18** (2013.01)

Citation (search report)
• [X] GB 2006274 A 19790502 - UNITED TECHNOLOGIES CORP
• [X] US 4275124 A 19810623 - MCCOMAS CHARLES C, et al
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EP2514854A4; US10077638B2

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