

Title (en)

Article having a decorative and protective multi-layer coating

Title (de)

Artikel mit schützendem und dekorativem mehrschichtigen Überzug

Title (fr)

Article pourvu d'un revêtement multicouche de protection et de décoration

Publication

EP 1006214 A1 20000607 (EN)

Application

EP 99123320 A 19991123

Priority

US 20478098 A 19981203

Abstract (en)

An article having deposited on at least a portion of its surface a decorative and protective multi-layer coating comprising at least one nickel layer, a tin-nickel alloy layer, and sandwich layer comprised of layers comprised of titanium or zirconium-titanium alloy alternating with layers comprised of titanium compound such as titanium nitride or zirconium-titanium alloy compound such as zirconium-titanium nitride. The coating provides abrasion and corrosion protection to the underlying substrate and also protects the substrate from attack by chemicals such as acids and bases while being crack resistant and resistant to galvanic corrosion. <IMAGE>

IPC 1-7

C23C 28/00

IPC 8 full level

C23C 28/00 (2006.01)

CPC (source: EP)

C23C 28/00 (2013.01)

Citation (search report)

- [XY] EP 0875598 A1 19981104 - MASCO CORP [US]
- [Y] EP 0875600 A1 19981104 - MASCO CORP [US]
- [A] EP 0875599 A1 19981104 - MASCO CORP [US]
- [A] US 5552233 A 19960903 - MOYSAN III STEPHEN R [US], et al

Cited by

FR2849620A1; FR2849449A1; WO2004061159A3; WO2004061150A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

EP 1006214 A1 20000607; CA 2291469 A1 20000603; CN 1259591 A 20000712; FR 2786792 A1 20000609; FR 2786792 B1 20020920; GB 2344354 A 20000607; GB 9927746 D0 20000126; NL 1013706 C1 20000606

DOCDB simple family (application)

EP 99123320 A 19991123; CA 2291469 A 19991202; CN 99125848 A 19991203; FR 9915197 A 19991202; GB 9927746 A 19991125; NL 1013706 A 19991130