

Title (en)

Corrosion resistant alloy, useful as material for parts in contact with living beings

Title (de)

Korrosionsbeständige Legierung zur Verwendung als Werkstoff für in Berührungskontakt mit Lebewesen stehende Teile

Title (fr)

Alliage résistant à la corrosion, utilisable comme matériau pour articles venant en contact avec des organismes vivants

Publication

EP 0640695 B1 19960612 (DE)

Application

EP 93890161 A 19930823

Priority

- EP 93890161 A 19930823
- AT 139392 A 19920707

Abstract (en)

[origin: EP0640695A1] The invention relates to a corrosion-resistant alloy to be used as a material for texturable parts which are in contact, at least in part, with the skin of living beings, in particular of humans, and do not trigger any hypersensitive reactions or allergies. For this purpose, according to the invention, an alloy is provided which essentially contains the elements, in per cent by weight carbon max. 0.10 silicon max. 1.0 manganese from 11.0 to 25.0 chromium from 10.0 to 20.0 molybdenum up to 1.0 nitrogen from 0.05 to 0.55 the remainder being iron, with the proviso that the nickel content is below 0.5%, that the material, after a solutionising treatment, has been quenched and, if appropriate, cold-worked and has an austenitic microstructure.

IPC 1-7

C22C 38/38; **G04B 37/00**; **A44C 27/00**

IPC 8 full level

C22C 38/38 (2006.01); **G04B 37/22** (2006.01)

CPC (source: EP)

C22C 38/38 (2013.01); **G04B 37/22** (2013.01)

Citation (examination)

- EP 0422360 A1 19910417 - VER SCHMIEDEWERKE GMBH [DE]
- EP 0277065 A2 19880803 - SMF INT [FR]

Cited by

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DOCDB simple family (application)

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